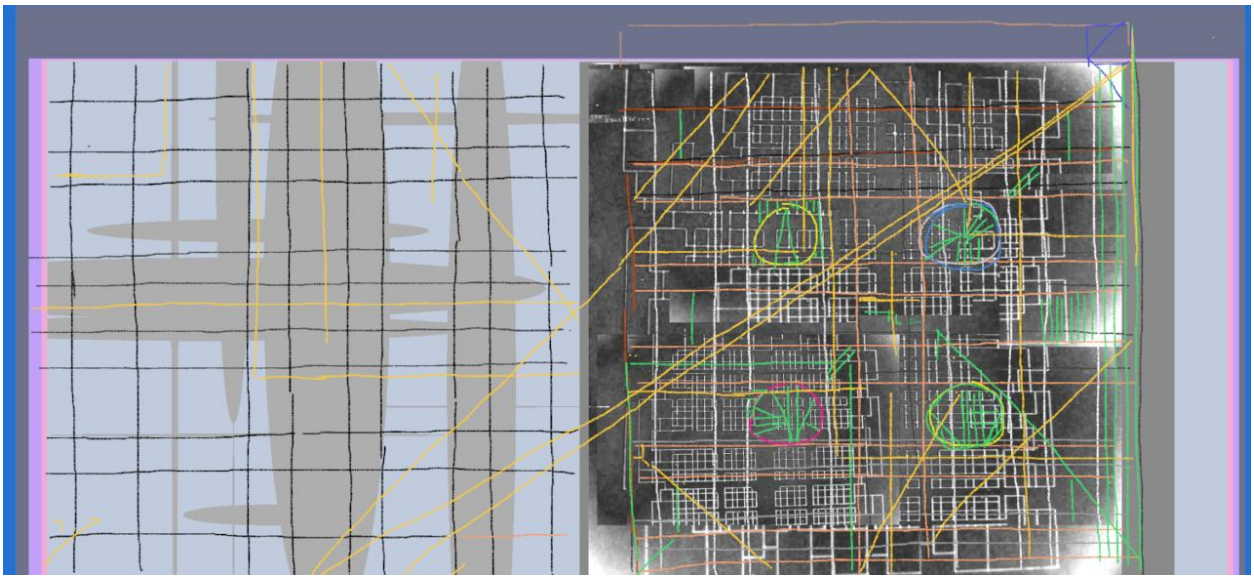
Gravity Wells and Quantum Peers of ,Time Spectra and Arts of Questioning. Revision 1



Category Theory Drawings Review

Edwin S VanGorder

The drawing is on a theme of a kind of Lissajous curve technique in K dimensions rather than n for the k dimensional chess so to speak placing a quantum oscillator division over rotating fields of quantum oscillators... the space is spectrally sliced by de Morgan like mirrors branching from the disjoint Gnomon structures:

Notes for the Chess sites:

The Knight is the log spiral

The Queen’s directions are the frame of the log spiral orthogonal to diagonal

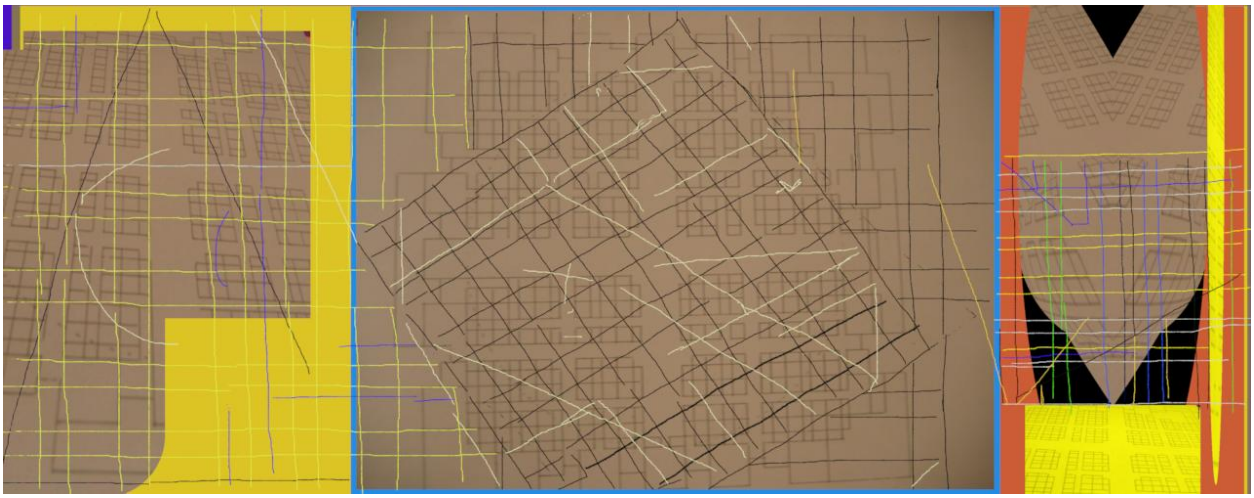
The Bishop’s constrain the diagonals to a diabolical Point

The King is the Diabolical Point

The Pawns are eigenvectors

The Rooks are Ep’s thus they “ castle”

The N dimensional Chess is the Gnomon



364g5

Acoustic Clouds and Optical Beams Wrapping Island Jetty and Quantum Graphing Spectral-Resonance...Experimental Experience:

Any center the point of a circle: (ACPC) 1

Then we shall say the experiment is an artificial eigenvalue in T-time while the input and output are eigenvalues natural in G-time

Maxim: anthropic = “language”

Minima: signal = sign up to an isomorphism... analogical -More- Exotix Spinor- String- Scape- Gestalt Clouds...

In physics a vacuum exists at a certain trap, a level which can alter as in the 10 ^500 possibilities of string dimension ... if on a mundane level one considers cloud cover to island or in this case lets say a spiral jetty the relation by which cloud cover is attracted via orthographic lifting or convection currents due to land mass different rate of heating then trapping cloud cover gives the image of a kind of information bank in those readings . Abstractly, the drawing enclosed considers a jet like form projected from corners of composition as independent

vectors which as it were split a beam and this can be considered and “optical” component, in an abstraction… followed by its projection over a torus like form which relates to the beam through a more “sonic” cloud because of a log value system distorted to irregular progressions ie differentials that are independent in their contribution…like the randomness of quantum information… and as in physics a blend of optical projection and acoustic resonators can help control information the interest here is to study the knot value of the cloud of information so to speak as a topological and spectral comport to function.

Whistler’s Butterfly , Cloud on Jetty

As in rhetorical “scesis onatum” omit the verb as above The Higgs expectancy value is a vacuum which via it’s omission so to speak, births a field value or range of possible vacuums from the string scape vacua as it were… and the echo of this is in the pseudo particles in the electromagnetic field the first event carved as the niche and which preserve the photons mass lessness in a similar mathematical (i) like exchange…the drawing continues the golden section Hermitian grid then to its Hermite polynomial potentials of recognizing a resonance in Harmonic quantum oscillator mode (as the drawing field has a .0156 quanta same as the Planck on the

visual field) gaming then the complexity of visualizing higher dimensions as on the one hand resonant and damping but in a comprehensibility outside of the underlying Goedel undecidability to proof and the physics indeterminacy per momentum and position as instead the observation upon observation which is a monad like lifting of horizons to a fuzzball or fuzzy number like structuring relative spectral sourcing to automorphic which the drawing takes up by distributing the equivalent of scattered rectangles some with a center dot and the question the visual field leaves as to the collective centers ...This is in relation a representation of the Higgs particle

scattering as a time like mode with concentric returns of compressing oblongs, a kind of butterfly over the Markovian scattering...

Any Center the Point of a Circle (ACPC) 2: the bubble chamber graph of the Higgs Boson at experiment show a timi like center which has a focal center from which , to repeat, lemma oblongs arc in a butterfly motif of contracting/expanding potentials in an Archimedean image.

Comparing this with the image of the dots centered on centers, represented or not and on one side or another then scattered as in the thought experiment just proposed the two are dual...and may be considered mathematically as “Voronoi

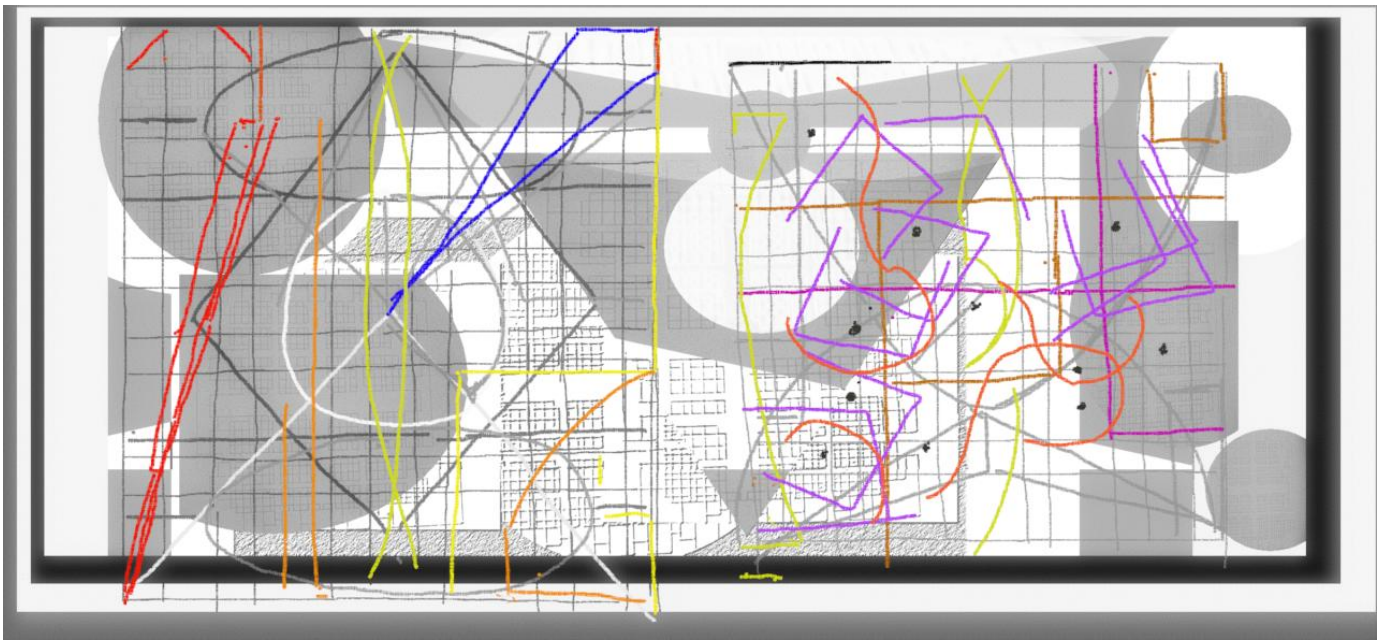
cells” dual to “Delauney sets: over which from a randomized set of points distances of enclosure have respective consecutive lensing, in the Veronoi expresses as edges and in the Delauney in arcs (the latter presumably in honor of the artist and the form of the Varisoro algebras-sub algebras…)… the theme then of unique eigenvalues matched to unique eigenvectors through the endofunctor showing in the possibilities of reading the distances between point in the experiment (as in the Sturm Louisville mode) as possibly some kind of Dynkins diagram, or perhaps it could be a kind of spread out mapping of a hard stack, the gaps might be sub algebras, or

the clustered dots might be independent functions, or there may be quantum like graphing of the potential of dot and non dot qualifying representations...or there may be some system embedded linking saddleback forms, Eps, and diabolical points to a probability code...etc... so all in all we see category theory as a clue over the observation of observation which finds a mode nevertheless carries a resonance to all possibilities which in and of themselves may lurk as subalgebras thus defined away from any Bell variable as instead relating the apophenia or potential in perception to the anthropic source of a dynamic between the natural and the artificial which then have

embedded complex points of their own…involute surfaces in complex time rather than the hard order disturbed by the unprovability theorem and the Undecidable per phyics if each of these is the case of the other then one may say that’s the point…of recognizing the Daumier like hyper elasticity of the verbal orders in hypothesis artifice and the inelasticity in the decompressed entropy becoming now physics time… Ingres drawings give an example, an underlying geometry, rectilinear related to the Greek gnomon in graph extension variability locate offsets poised by a diagonal definition which to reach its enclosure also sets off an arc for which has a

particular extension and marks the visuality by which in fact we see one thing because we also see another...The Daumier Judges confer over Conceptual 64h7art and its link to human laws, relative the Physics Standard model for example... (drawing for the moment in these cases or relating Social contract to physics Entropies, the compression and decompression over analytic and Categorical modes to time T-time and 4 dimensional... hypothesis to input and out put... etc etc. all the fuzzy number gauges and harder distinctions in their relative orders to that rather holographic mode linking endofunctors up to an isomorphism to that noema of

phenomena in the monad... thus dual effectively related between naturalness and artifice of their own construction...



364h7

Hoffstadter's Butterfly Rabbit Hole Down and 1.1 the Quantum Natural Pavahn

The Graphene Lattice structures as resulting in Hofstadter's Butterfly brings time full circle to GEB (Goedel Escher Bach an Eternal Golden Braid as he authored presciently predicting towards AI some decades ago as

though a modern day Remembrance of Time Recaptured... and an ode on the way as it were of Amplitudeology or string dimension ampleness... so at the risk of putting more braids on Bach, invoke the cosmogenesis of our quantum butterfly's' breath which in my history has this breadth: per the golden section one notes that the square root of 11 in reciprocal plus the square root of ten in reciprocal respectively 3.168 or ten times .3168 which is the reciprocal of pi and is three times the difference of square root of five in reciprocal in a square and is the fourth of the

reciprocal of the square root of the golden section whereas the square root of eleven in reciprocal is 3.3168 or three times unity plus the reciprocal of pi and those sums added are the golden section , therefore pi is embedded in the golden section and .10 plus .11 will give 1.1 as scaled. Thus the “magic Angle... To pull this thread out a bit I first give the following preamble that the golden section grid I use comports to a quanta of .0156 which is also that of the reduced planck and can be deduced from the Planck proper as well...(a wraparound

structure) and .0156 is in reciprocal 64 or an 8x8 perfect square...there fore in complex relation the grid itself being Hermitian transports that value meaning effectively it is the 'Unknown Hermitian possibly as sought in certain circles of Riemannian Hypothesis interests...I then related pi as embedded in the golden section to a series analyzing as bridges in Monstrous Moonshine between the physics particles and the Sporadic Finite Primes...and .0156 as the juncture of world sheets unrolled to a string "larger dimension" may well give leverage

similarly to a quantum harmonic oscialtor and a harmonic oscillator mean towards making of the cobordism a lensing aspect towards dimensions of Categorical analysis… and the monad…

Parenthetically the golden section also occurs in the Weinberg mixing angle as .312 times seven is 1.618 and the mixing angles there of the Higgs being a vacuum displacement become the rich environment of the pseudo particles now real part as mass is like a physics version of the mathematical (“i”)…repeated in principle by the photons relation to

vacua and mass lessness by exciting quasi particles.. so that one may study out of the magic angle 1.1 its own permittivity of .2 degrees of damping... for example the Pauli 01/10 comport to .0156 and also .1056 which is the difference as mentioned between twice the square root of five in square field thus it's Brioullin zone so to speak and as I mentioned .0156 measures into the degrees of the spiral .1056 is approx. 5 times .0156 (slightly off but equalizing across whole surface)...so .10 finds .0056 .1056 and .01 finds .0056 .0156 where .56 is 1.7854 and

.7854 times four is Pi and the complement of the Feigenbaum in reciprocal... thus returning to studying out the magic angle 1.1 we can continue to observe of the .2 degrees damping allowed .2 to the negative two is the square root of five parent of the golden section...while .01 to the negative three is .3168 or the reciprocal of pi which fits four times into the 1.27 value as reciprocal of .788 which is the root of the golden section and .3168 significantly is three times .1056 ...which is five times .0156... which is 64 and .64 is 1.56 where .56

is 1.7854 and .7854 times four then Pi... all of which reflects to some degree on the interesting .001 difference between two possible values of the square root of two, .707 and .708 which give in that difference directions towards complex space and of which .708 is three times the fourth turn of the spiral from 1.618 thus in that regard the second unknown Hermitian...

Part 2 recap: towards drawing demonstration: ***//:*** ***goal*****= Integrate: of Amplitudeology and Dynamic Phase Factors**

From- An initial history :

Starting from Jaccobi Identity and Hom sets

Categorical Lensing and M’alsev theory towards every center a point embedding language from monad construct of observing observation recursive yet projective and emergent immersive… thus the point in a sense is already fifth dimensional via language

Weil Explicit theory then turns primes to eta function and a meromorphic relation to the counter resonance

Overtones then feature structure from within subalgebras and the cobordism structure of Perelman surgery and Adams suspension modes as this language construct assimilates to art

and language thus the relation of artificial order to naturalness… naturalness being the domain of M’alsev in the most abstract sense…thus not only degrees of freedom as they arrive but the flux-hold on order…of elastic borders to an aesthetic necessity of symmetry transposed to quantum randomness as realizations through density scales.

As relating embedding of pi in the golden section studying relations of Sporadics to physics particles then the emerging ratio in the golden section grid of .1056 as parallel the Plank then the idea of lensing categorically at the point of cobordism in the event of the

quantum harmonic oscillatory cone and the harmonic function generally there is as well the introduction then of Markov chains or irregular introduction into the n-boxes which becomes the potential to open Berry phase in parameter space to the disjunction to adjoint structure which carries the features of emergent structure on naturalness relating to artifice. The .0156 lensing then may take the string world sheet rolled out and lens a relation between Casimir plate like resonance and Josephson junctions as in the former like DNA and latter like Proton entanglement and on those let become a toy model of an exotic or

Gabrielles horn like dimensioning as a y cleft to cones intercepting Calabi Yao from the sheet rolled, amplified and placed in the compression and decompression entropy as an entanglement function leading to quantum category theatres from essential Verisoro amplitudes upon the unit circle engendered complex to hyper parameter spaces... originating in the growth pattern from gnomon to torus, the rolling and gluing then meeting lensing and conical relation across linked domains in the cobordism first structured in AdS/CFt and the Langlands transpose physics to mathematical symmetries...

The structural referent then relates to the idea of embedding flatbands in twisted moira structures as an extension into the categorical idea of twisted fields from mathematics where composing and decomposing elements of entropy as compressed and decompressed, ordered or partially ordered invite rotational interpretations at unit circle, conics, and lensing modes featuring higher dimensional tensions on amplitude projections.

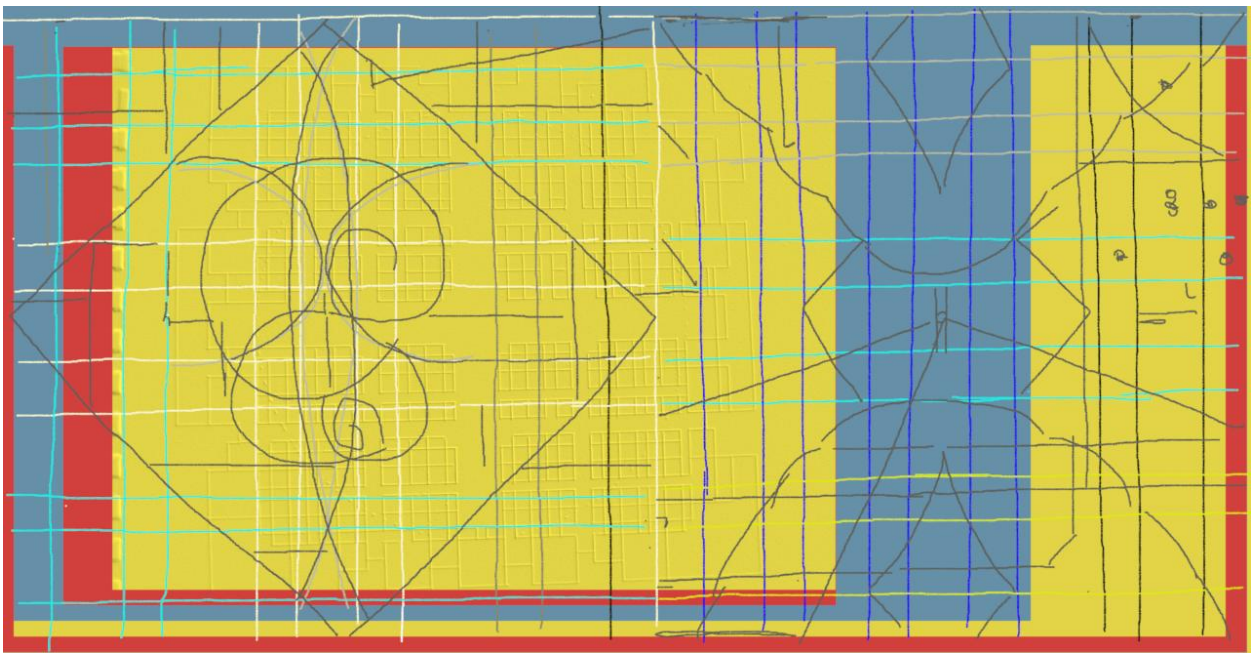
Part 3 – The Drawing

The drawing then begins by ambiguously sorting its own field of .0156 discriminations of those centers

found to harmonic intervals which becomes a cobordism to another object representation embedded in its mirror which finds that object an arc to orthogonal tension of a Reimann conjecture like form. (Previously have created the drawing offering of the .0156 proportion linking quantum to 4d as a golden section irrational thus real thus the "unknown Hermitian operator" which would demonstrate...

the world sheet seems to have Markovian chains embedded in Berry Curvature where distances in relation to their subalgebras need some representation in the hyper to 4d cobordism...

necessitating toy world markups? The drawing relates the rotation center to a Demorgan valancing over two versions of the square root of 2 as gambit...



Sliding Glass Door Introducing----→

364i6

§jets as sliding filament realms

And independent fx...

§Towards Quiver Selection

§ lateral edged cone to flat complementary triangulation carrying the information of gnomon to Cone

§ BF Theory and and ***Sterm Louiville...***

§ Structured to Quantum Harmonic Oscilator, Doppler Effect, Weil Explicit Theory, Twisted Sets to Twisted Moiree Lattice... Verisoro Algebra

§Genus over homomorphism, isomorphism, Endomorphism, auto morphism , functor, endofunctor, Monad

§Quantum Graphing

§Spectra of Triangles

§ Theatres of Bell, Russell, Turing,Slit Screen to relation of Naturallness and Artifice

§ Relation o f conics to Pascal’s Pyramid

§Introduction of Rotating Stabilizer

§ Cloud over Jetty and stochastic scattrering of centered dot cards

§Higgs Boson to physics (i) and relation to photons mass then to chronon…

§Harper’s Equation and Hoffstadter’s Butterfly

§ Unknown Hamiltonian and golden section grid

§golden section grid to pi embedded in golden section and quanta .0156 to also the Plank

§ Monstrous Moonshine analysis to pi embedded in golden section as bridge physics particles and Finite Prime Sporadic Group

§ Chern numbers to Berry, Betty and Poincare,Ricci

§Voronoi and Delauney groups

§M’altsev abstraction to Categorical Theory

§Quantum Categorical Theory

§Von Neuman Algebra and Wilson Loops, Calabi Yao,

§Spectral and Automorphic

§Witten, Langlands and AdS/CFT

§Amplitodulogy

§Exotic Spheres and exotic bulge to string vacua via casimir like flux

§Casimir Flux and DNA, Josephson Junction and entangled Protons

§Entanglement information

§ N=boxes, K,boxes,

§K-3 Algebra, Categorical Theory, unrolled word sheets to gnomon tori and larger string groups to lensing Calabi Yau

§fifth dimension of point within language…

§Fuzzy numbers to Fuzzball holographic plane…

§ Weil Critical as endomorphic to primes relative Rieman Branches and cuts

§Del/Nabla

Divergance and curl where Chern numbers defined as curl

Curl and e…

§ Triangular Matrix

§Higgs Boson lemma

§Art and Language, Conceptual Art, social contract, legality and Physics Standard Model

§Deddekind numbers as quotient sets…

§Snow Flake Model

§Eps, Diabolical points, Dirac Cones, Saddlebacks…

§AF theory/ Bf theory

In summary the relation of little o to big O relate the sorting over highly correlated order and partially open sets over the upper bound as necessarily partially Defined given the chaos regime of rapid o essentially meromorphic where vacua transpose with fields…relating immersion and submersion to embedding (and this to the embedding of pi within the golden sections) along relation of surreal mathematics to hyper real and the ultra violet swampland extr -space to AdS CFT with Wittens relating Langlands to physics and mathematical symmetries per auto morphic and spectra genesis upon

morphologies and their relation to Category Theory to Analytic…

Measure Upon Measure

Tidal Forces-

Macro; Micro, and Quanta:

Across the A_F Dimensions of Vacua

§ Slim Difference from Hidden Variables in the Emergent Sharp Slide from Big O to Little Accros Geo Dirac Constraints and Subtending String Murmers :Connes to Wittens and beyond…

Dirac Might Well Ask:

§

What Happens When The Subject is no Longer Experimentable Except Through Thought and Data Analysis?

Towards Analyzing Unknown Effects

§Where this article and drawing are shall we say accordingly a Conceptual Physics as Art Museum…(thought experiment)…

A conceptual art museum for example would need to be entirely conceptual , just as the Higgs Parlays vacua level in the spirit of the mathematical (i) to make us the hypothesis builders the equivalent of the proposed museum. Therefore the resonance of string dimensions within micro across the duality of embedding and submerging make of

tidality and we the theorists the moods of subtlety within the resonance of little o to large which comport effects of which we cannot see, for example a particle zoo which is in subtler form... of unknown subjects and objects.

A_F is Connes geometric quanta theory which can be seen as dynamic to Wittens Strong/Weak take on Langlands... in this theory three variables as relating states, geometry, and differentiation modelling the structure of the Higgs as (i) like towards vacua representation to a transpose to

mass as in the Higgs Mechanism and the mirroring process of photons to pseudo particle showers… mathematical constraints on upper bounds confining the geometry successfully to a maximum of 17 particles possible…

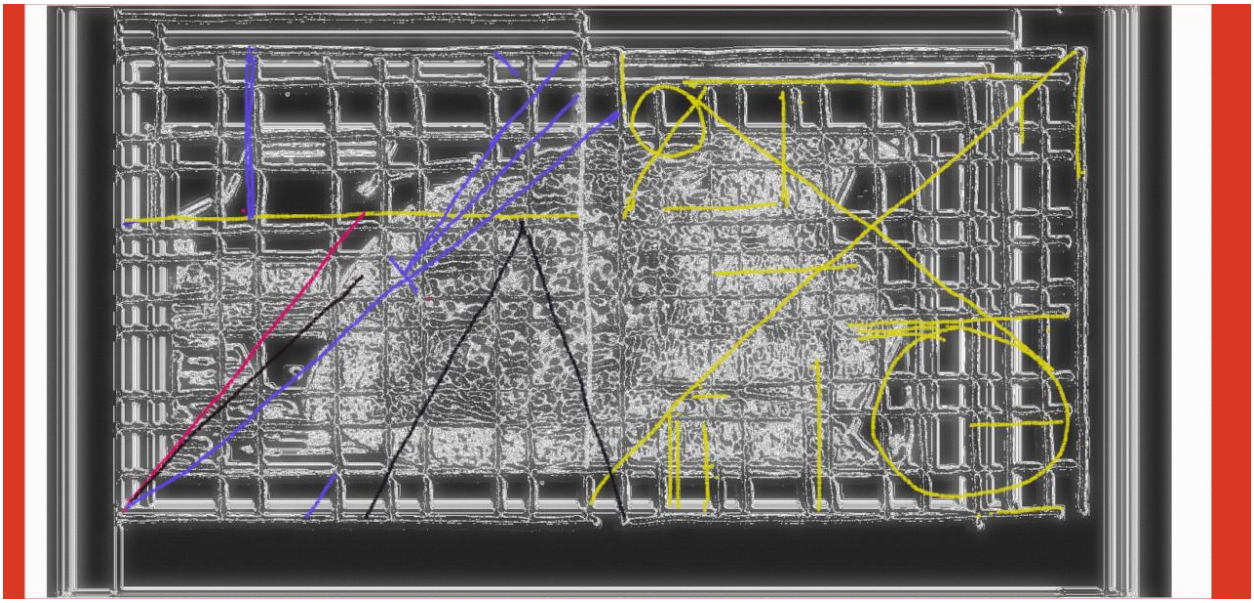
However lurking within this Big O scenario there is the accompanying scenario of little O differentiating at much higher speed and possibly to infinity as in the twisted spaces regimes of Sturm Liouiville comport to also Verisoro and M'alsev considerations along precisely those lines… essentially tidal forces along

all dimensions 4 and inviting higher via resonance of harmonic vibrations macro and micro and quanta... and a structural sorting between saddleback, EP and Diabolical Points to consider...

In general then the placing of higher constraints which activate the Standard model via modelling the Higgs displacement of vaccua to that specific degree has between the strong weak translation to string dimensions in AdS/CFT and the Swampland of intermediate possibilities in a kind of lensing there is the relation of Big O in the upper

bound and little o in the minimum and little, progressing quicker and leading to infinitesimals then brings with it the monadic comport by which category theory then relates this aspect of flying under the radar that this bending of the ultraviolet barrier brings up the general conceptual domain of those objects and potentials which are always emergent, and this is the study of the value of Surreal or Proper Categories as opposed to the Hyper Real which carry over the distinction between submersion and immersion as the aspect of embedding fields belongs

to the Surreal while Partially Ordered Sets belong to the Non Standard approach of the Hyper Real...



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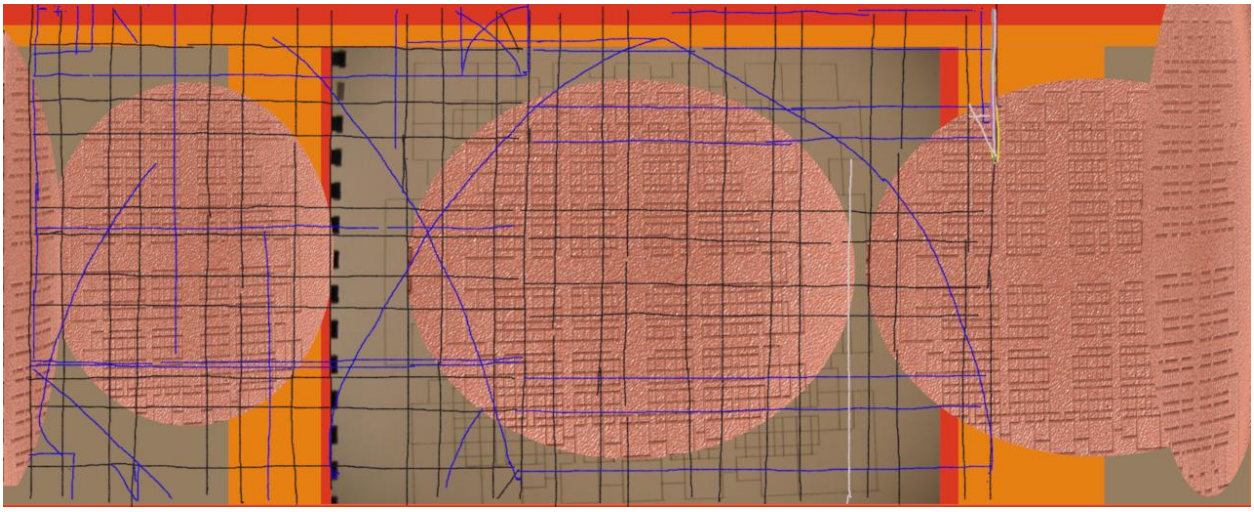
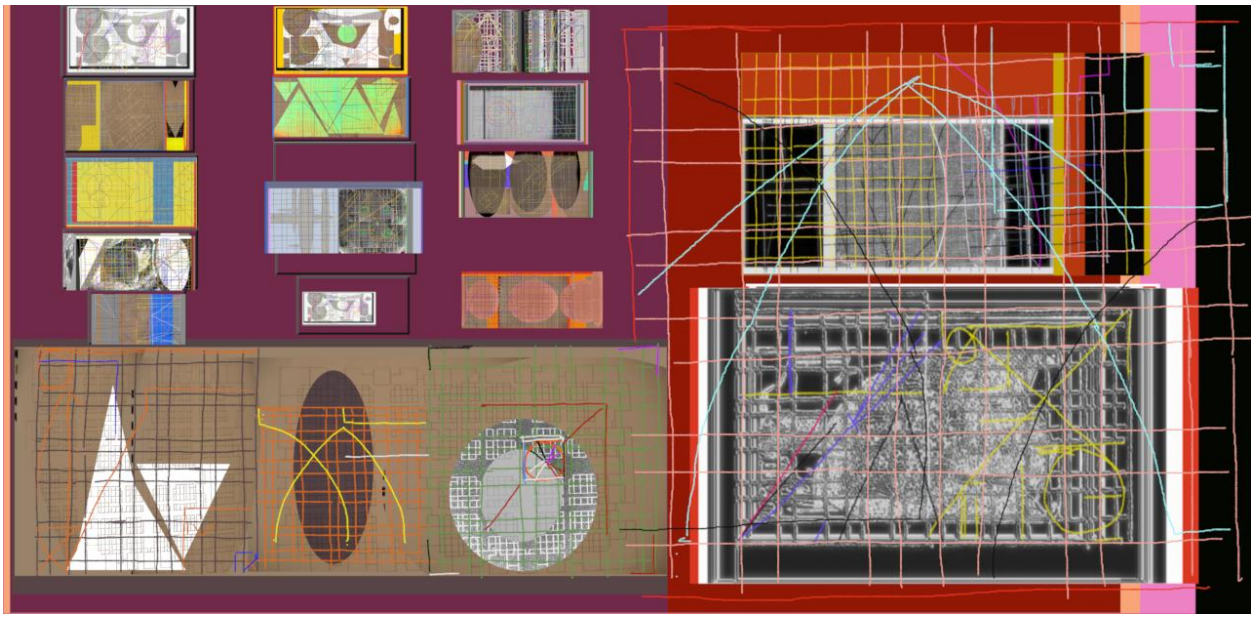


364n1

Piero’s Hat Line Continued…

For the Higgs Mexican Hat one can substitute different arc forms representing vacua…



364p4

Flying Under the Radar of Exotic Dimensions in the Black Hole's Own Thought Experiment...

Time Cone Torus and Mobius Mirrors Overtones of Geo-Scapes :An Intersection of Piero’s Hat Line and the Mathematics of Physics Theaters of Thought Experiment…

The drawing has a number of placquettes in relation to a larger field of drawing the form being degrees of separation over a theme presented in previous fourteen articles and drawings… the drawing group have very light drawing across general fields of color and shape which were essentially ansats towards the drawing them which then in the light drawing assimilates across all the different panels on the principle that you only see one thing because you also see another… the mathematical theme then being the relation of integration over differentiation essentially as recalling to order the essence of reciprocal relations, while these may manifest over twisted fields, the relation between Big O and little o in the creation of constraints by which a totality of relations may fly

under the radar…of the visibility of a an observable and then the relation of theaters of thought experiment as they have presented this, ie slit screen to entanglement information, Russel's paradox toward inclusion and exclusion, likewise Turing machine and Bell's theorem toward appreciation of formalism up to an isomorphism from which the structures of endofunctor to Monad proceed across relating highly ordered correlation in Surreal mathematic versus non standard or partially ordered sets in Hyper Real…In the drawing I have compared central ordering to a square with the Mexican hat motif by which complementary space may spread out the area towards the differential prior the normalizing and in this take up the accommodation of the

twisted algebra or assimilation of “I” so to speak to vacua levels per Higgs mechanism transposing to field values and mass…mimicked by photon relation to Quasiparticles… the most relevant image or question then is how does the BH as it forces time space view the Standard model ie is it relating to it as paradoxically in the mode of those submerged relations to higher dimensions which now show as partially ordered sets, that is the BH finds the whole thing like the slit screen experiment perhaps…the time cone then seems to implement in this lensing a torus, modelling in a mobius or exotic mode…

7:37 PM · Feb 1, 2026

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Chrysalis Delay In the Time Glass…
Between Heraclitan and Quantum Flux to Kantian Conditions of Experience seen through the Formal Categorical Lense of

Monads to Matrioids as Concept Gluons to Extravagant or Exotic Potential Mediating Direction and Spin of Compression and Decompression Entropy Dust, Flux and Scaffolding. White Hole Data on 4 dim. P-wheel and Q = k-3 graph form geometry?...:

Per a super shape geometry considered from vantage of my early art and language interest in say a four dimensional potters wheel that then also super shape structure makes one wonder if a connection to super gravity in the form of gravity as a kind of ricci flatness might avail white hole data as dark matter evolution?

Antecedent to a question such as this are the relations to begin with between group representation over number fields and the Representation of Quantum Fields of

which in general the gain loss modes of the Division Algebras is analogical to the Higgs Transpose of vacuum to energy states and the Neurological Networks model which similarly relates the changes of lower energy states as preserving information, mapped altogether in Category Theory as monoidal functions over arriving qualitative degrees understood to Hom sets which may lose commutativity of which gain and loss as staged translatable between quantum mechanical and quantum field per Ads.CFt and Klebanov Strassler theory for example meet quantum no clone qualification….origins in the Hamiltonian as both spin and system energy are origin to all and Neurological Networks add the degree of resonance, analogical really to the

preceding modes where the monoidal functor between categories mees the Hom set available merging across suspension or perhaps effective entanglement…. The verosoro algebra embedding finite and infinite modes (surreal and hyper real mathematics) shows the relational matrix of physical fields quantum infinite relative mathematical fields in the Hilbert and Lorrentz context finite…
In the drawing I begin with an embedding function by taking Eulers 2.718 in reciprocal .3679 squared .606 and this is 1.5393 or unity plus unity plus the golden section module.. as a cycle I take the numbers 606, 1.606, 2.606,3.606 and 4.606 in the same way which per the golden section I might take 1.618, 2.618, 3.618 etc in that each number becomes

the complement of the next, defining the embedding state of unity and harmonic, and this projection of different integers to the leading module are each spaces which as unity are bit like and can store information composed to unity in infinite variety…the drawing places a kind of step pyramid form in the spirit perhaps of the Platonic mood of Davinci's Adoration of the Magi cartoon and painting… if in the final analysis comparing the mathematical group representation to Quantum field representation we find that gain loss is experienced to a spectrum of points in which the saddleback gives reservoir and the Ep is the face to face transposition preserving a kind of unity in entanglement so to speak…

Towards Considering the NP Hard Problem and Categorical States of Duality to Gain Loss Conditions of Reality.

Hilbert Cropping to Guage Dualities becomes the new Norm…contrast of singularities to states and weak cosmic censorship to naked singularities and group representation over a field of numbers to fields as quantum have produced a more clear set of categorical arrows... would one say there is a connection between cascades of numerical order dualities taken to the more broadly categorical relating to the NP Hard Problem?

To begin with one encounters int AdS/CF the a Proper Duality where the Langlands Spectral to Automorphic finds an equivalence staged to mathematical group representation and physics

field representation where verosoro preliminary study of embedding finite and infinite algebras motivate … and in the Klebabov Strassler the relation of Naked singularities to Weak Cosmic Censorship is managed to a weak theater of smoothing to a linear order relatable through the Sielberg Algebras and their adjacency to The suspension mode of Perelman taken to cobordism structure in this case, categorically, a weak censorship to a weak staging or theatre of reality created through the indexing of potentials stated to the unfolding of a world sheet to make that the case of an exceptional or extra dimension as corollary weak coupling. As the KS theory structures on a “cascade” shades of Duchamp we can take this to the broader Categorical class of Dualities which would include for example.: Maxwill structure of relation of Electric and Magnetic forces, Weak /Strong AdS/CFt, wave /particle, vacua and energy, have qualitative physical modes different than log symmetry, projective geometries, bilateral, mirror, faithful

representation, matched number of subsets, one to one correspondence etc as mathematical (also including associative and commutative combinatoric actions…The Langlands Automorphic to Spectral seems to take a step into the Categorical class per se…where symmetry meets its own abstraction… the observer has a symmetry to the phenomenal or observable which sets the train in process… How Do structural opposites as cobordisms relate to duality ie Wilson loops and Von Neuman Algebras..?
This: the domain of symmetry of opposition, is presaged in the root for entropy in the Greek Tropai or turn of forces in time by their opposition, the central tenet of Heraclitus ie “it is an attunement which turns back on itself like that of the
bow and the lyre… he of the lyre, his twin Artemis of the
bow both of Delphi and Delphi had an opposite center of the world Ephesus (where Heraclitus placed his text) there having also goddess also

named Artemis… the mathematical version of the bow and the lyre is topological quantum theory, cobordism categories or (N Cob) …. Wilson Loops and Von Neumann Algebras for example are such linked cobordisms, T-Duality studies Wilson Loops to T'Hooft vertex operators, Algebraic quantum theory links Wilson loops to commutative and braid operators.. and so we might continue to advance a landscape of these dualities combinatorially devised of Category theory to also include such as: Quantum Snowflake to Dedeskind quotient spaces, K-3 surfaces to Kalbi Yau, Josephson Junctions to Casimir flux, Hyper dimensions to trees, Virosoro Algebra to Surreal and Hyper Real, Conceptual art and the social contract to Physics Standard Model, Russel's Paradox and the Touring Machine, mathematical Hamiltonians and neuro model Hamiltonians, Spinors to Quantum Harmonic oscillators, log symmetry to bilateral symmetry, chiral to mirror, fuzzballs to BH horizon, Gain loss modes to pre and post measure, Spin to charge,

spin fluid to quantum glass, Spacetime to T-time, etc… with a general idea in particular on the idea of a spectrum through the idea of a point, ie saddleback, diabolical, Ep, verbal , vertex, vortex, singularity, etc…
Einsteins early success with Brownian statistics and later disavowal of God playing dice brings us to the Categorical Hurdle that true quantum events are truly random and so have no fair toss syndrome to reflect on in and of themselves but upon decoherance and reading environment may be deemed in say qubit theory to bring us to the point of recognizing our own point of departure from true randomness… one may integrate true randomness only at *the point ones own environment has introduced probability as the effective form of chaos.. be brought to bear at* localizations…so only a quantum computer could reflect on its own true randomness… this seems easy enough to devise: what outcomes have been understood in that direction so far? Turning next Topological Quantum Theory where Cobordism becomes Monadic to shifting

adjacencies as opposition to forms of Duality , the Duality Cascade of KS may be aligned to the rolling out of the world sheet as flattened over conifold structures relating higher dimensions to their medium or frequency collaboration in re-confining generative and emerging structure to Space Time from the evolutionary model paradigmed by Ads/CFT a general view over this essentially suspension mode can via Categorical refinement on the active graining of cascades of duality in mathematics to physics and beyond extensions modelling plasticity to duality through elasticity and a combinatorial depth then to Category theory how might we through the spectrum of points begin relating in a warranted manner the polybordism of say Perelmans' surgery approach, the world sheet roll-out of KS the Celestial Holography of Pasterski… my input being that the .1056 relation on a golden section grid models the Planck to Macro and the long series on Monstrous Moonshine give particle analysis to golden section ration, of which the

section as it is added to unit and within itself models the relation to a square as a bit, and the theories mentioned all require various approaches to renormalization which fits that context essentially, and to which the expanding of context to a combinatorial deepening of Category Theory seems a next and somewhat lightly explored territory due to the general focus on the disciplines modes on particular themes…
We can trace a tract in T-time or the relation Categorically of the expression to itself in the trajectory of the linking Monad which having interval spaces are Casimir like in that the time trajectory of the physical world in that rightwards entropic arrow has the tidal revers in entropy time via the emergent concept categorical…and this elastic and plastic process returns us to origins in the cascade of theories which emphasize the idea of the cascade as originating to a Categorical Momentum from the Higgs Vacua Transpose of which the Langlands Spectral to Automorphic amplifies to

recognition the Strong weak context planning AdSCFt with also then the graining to a world sheet context smoothing or approach of the KS. And the Celestial Sphere approaches…

Time: per Duchamp's Delay in Glass… is a delay in crystal…belong to non-equilibrium in time crystals where a delay in time is comparable to ("I") ?

could one "undo" the measure of a particle by multiplying it by another and taking the tuple produced as least likely for the others quantum state once both exist as then a quantum state one could claim was not measured but inferred... in the case of time crystals... where a delay in concordance of symmetry creates a divergent time scape could then like Duchamps delay in Glass and the Delay in crystal be analogical to the space of 'I" and place this space of delay in time as the found object principle of the randomly recognized particle quantum state when its measurement is undone?

. I/0 I 0

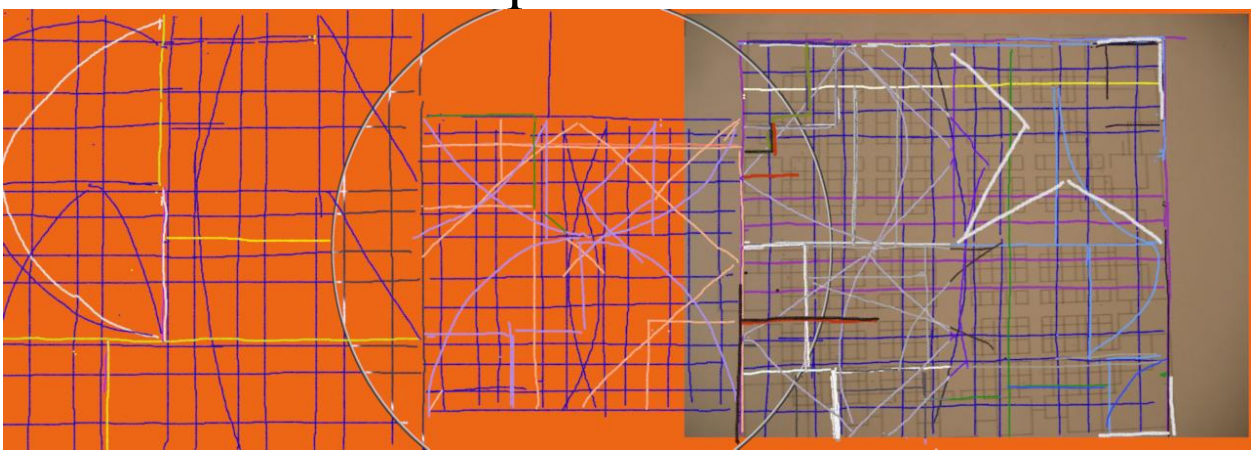
. . 1/0 oi Inferred Infra-red via ultra violet

That: to “undo” a quantum measure (by inference only) substitute by tuple in a multiplication another particle as least likely state… then the delay in the Duchampian Time Glass exists as the conceptual found object of which It’s matrioid lives in Category Space Establishing T-Time Simultaneously…
A diamond inserted in a square will have diagonal in quadrants each square root of two and this times the four is the square root of 8 in reciprocal if doubled close to 60 @ big O … 60 in reciprocal .0016 compares with perfect square 64 as .0156= simplified Planck of which each quadrant is 30
This and and several other cyclical formation fields inform the drawings outlook towards activating the thought experiment by multiplying two particles masses times also the Higg's to relate a quantum state marked in the tuple as a least likely representative of a given particle and thus an undoing of quantum state so to speak by conjecture , no measurement… in the Categorical aspect… the drawing relates a

series of embedded rations in that as the Higg's fields boson meets the Plancke the Plancke at .0156 or reciprocal of 64 the perfect square and which also covers as quanta the macro golden section grid relates to .1056 via the terms .01 an .10 each receiving .0056 which times 100 or .56 is in recipricoal 1.7854 where .7854 times four is pi and its complement is the reciprocal of the Feigenbaum.. the reciprocal of pi divided by the reciprocal of C speed of light will be 1.056 or ten times .1056 and .1056 is the gap between the reciprocal of the square root of five twice applied in a square…and the muon particle of course is .0156 to its mass and the Strange quark likewise has explicit relation of 95 to metric then in reciprocal .01057 and times 10 .1056 approx… the actual particles I am using in the drawing however are the Charm and the Top quark… and these multiplied to the Higg's… The Charm is .788 by mass to metric approx. and this is the square root of the golden section and is .1056 times twelve of which three times .1056 is .3168 as the reciprocal of pi… where

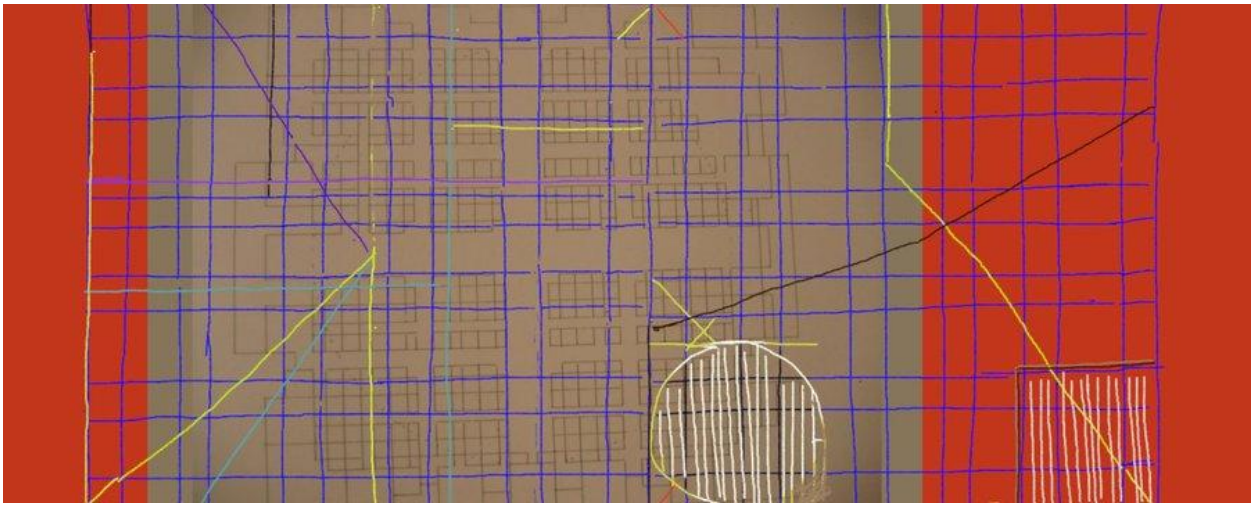
the top quark at 173 to its mass is if divided ten the square root of three…
Another Group is derived from Euler's number as 2.718 where the reciprocal .3679 squared is .606 and this is unity plus three times the golden section module … as a pyramid like group and adding unity consecutively the numbers are in progression the complements of each other and I relate the unitary expansion as bits in which I place various harmonic resonances… .606 is 6 times .101 where .101 is the reciprocal of pi squared and .707 or square root of two is .101 times seven … the Higgs at 125 Field to mass is in reciprocal 11.8 or twenty times .236 the third turn of golden section spiral and .236 times 3 as .708 is value along with .707 for the square root of two… so six times the square root of two plus twice .236…the Higgs boson decays into a charm or strange quark….the charm times the Higgs a f40486.66 is to second power 1.18 or the tenth part of the value just described… the Euler group gave a value of unity plus three

times the golden section module, the Charm plus a derivative of the top q. gave square root of three times the square root of the



VanGorder Spectrum of Triangles

VanGorder Spectrum Pseudo Wavelet Triangles The drawing takes up a kind of knot cycle of very interrelated Harmonic actions from their very separate origins in the class of consideration of objects which then do not easily fit into standard closed form…Two squares then compose to a triangle center from which a spectrum of triangles evolves which have black box origins at the left and right composition while tapping on the diagonal to generate center phase space.



Dark Velocity Bow : Dark Matter Violet

Since Gravity and Light travel at the same speed can they they be graphed on j and k axes… (

which off the x means relating to the z axis which is appropriate for wave like structure).. for example .3168 as reciprocal of pi times .2997 speed of light gives 1.056 or ten times the gap between twice the square root of five in a square and .1056 is approx. 5 times the .0156 value which divides a golden section grid congruent with that value as the simplified Planck, thus considering this relation to pi via light and considering dark matter then one wonders what will be the categorical scaffolding that may discover in the topological and geometric regions of spatial curvature the relation of dark matter and dark matter to vacua levels…as compressed dimensions…The nature of extra dimensions seem related to the ultra violet cut off in a variety of theories which differ from each other … can I clarify and identify any uses of a j and k axis graphing towards representing a scaffolding of towers of perception?...
The drawing relates the inflection of degrees of difference on a diagonal proposed generally by the multiple resonance framework of Debouches

wavelets over non closed sets by comparing the structure of the reciprocal of pi divided by the reciprocal of .2997 the speed of light as 1.056 there fore relating to .1056 tenfold where that is the gap between the square root of five twice applied in a square of which this three fold is pi and .1066 is seven times .0156 the simplified Planck which also divides evenly the quanta so to speak of the golden section grid on square. In contrast, the opposite diagonal is compared by a toy framework of harmonic structures arriving in very knot like forms, not closed but an expansion series of the convolutions and compressions…of these, the differences they compose as distances on their finer distinction placing them to the grid become their dictionary of ratios, and the atlas over these becomes the observable…the two diagonals can then be compared…The resulting space conforms generally to what some theories call an extra space for dimensions breaking the ultra violet observable range…

6:24 AM · Feb 3, 2026

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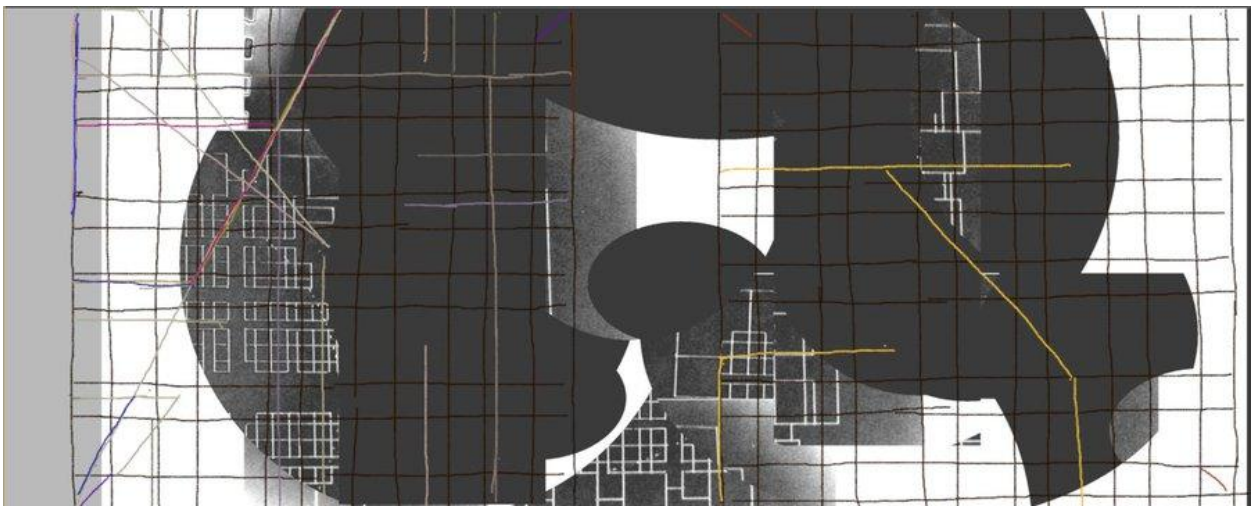


Categories Up along the Way Maths Seawalls and Fire Shadows of Eventua

Up along the Way and Recast Foundations: Implicit Whole and Explicit Tractitus… Remodeling the Ruins of Wittgenstein's House…

For some, the relentless overkill of Wittgenstein semantic isolation was the philosophy of irony, the endless variety and thought experiment the underlying

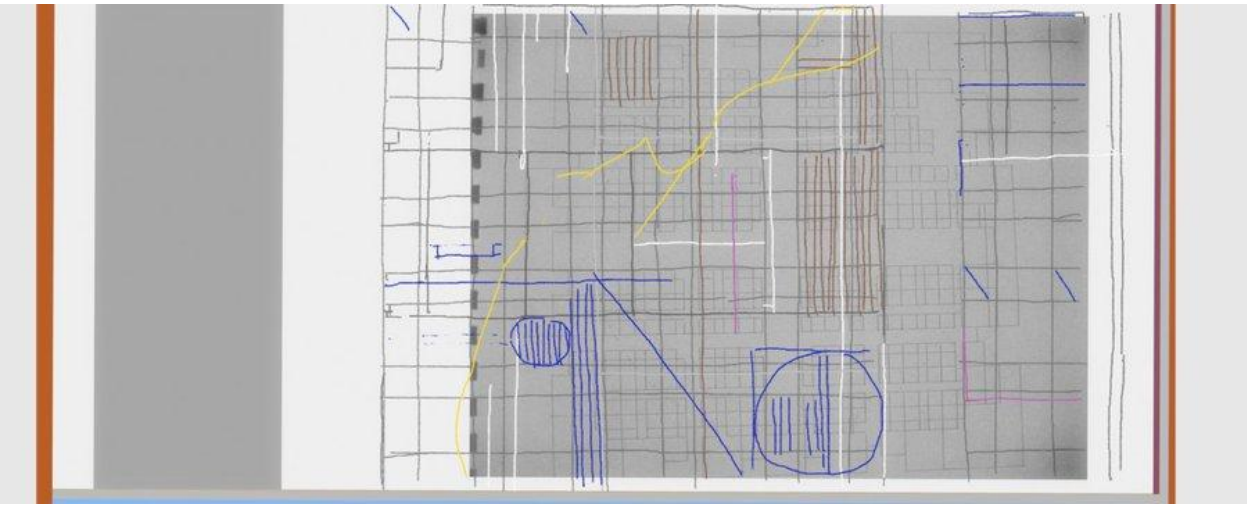
message... looking over his house plans which created a modernist building with Indian style planning he provided incredibly beautiful plans and an intriguing structure...which burned down is today simply as is, the ruins... If one were to consult the frame of mind of Bohms's The Implicate Whole (reviewing ones own ideas as a precursor of Category Theory) and relate this to the idea of a mathematical explicit function, how might a kind of meditation on Category Theory rebuild the foundations ... so this drawing sets off on approximately that ambit as the drawing attack or gambit...

But first let's look at the relation of art to language wherein the divergent Sanskrit drawing verbs in some 300 fold variety inform out of that artificial language our sourcing of the idea paradoxically also of naturalness all the way to natural numbers, functions, and theory over reality and in the theatres of thought experiment emergent paradigms on Categorical Imperatives Converging or Diverging on "The conditions of experience are simultaneously the conditions of experience -Kant... or with Anaxamander "up along the Way they pay penalty to one another for their transgressions..." of the last statement for example the term "Didoner"

meaning a shared impulse to survive by cooperating is sourced from the Sanskrit Anhara , net relating to puranha bow, around arha or breath, most distant ancestor Uruana, Godess of Sunrise.. and anhara can mean criticize, evolve to annihilate, and that term is used also in mathematics towards terms which annihilate each other in Categorical outreaches of "factoring" The videos we watch are derived from "vidi" to quickly see, visualize, sketch, the idea of summing from Samarha, to localize, bring forth, become "mathematics, and so forth...

In the drawing I repeated the previous drawings approach to enlisting a

personalized variation on Debouches wavelets or structing a resonance on the diagonal which reads underling fluctuations which are not closed order but rather the emerging detailing to a finer surface of those emergent still creative histories in their structural noise while also now using a variation on the idea of Polylogarithms in which jet like constructions on independent variables are brought to closure through complex analysis... the combinatoric poetics then of surreal and hyper real approaches co-defining...in the Categorical fluid structuring of Eventua...



Oracle Anacoluthon that:

Recent Puzzlets on Natural Edges and Decompression Entropies over Exotic Paradigms from Affine Projections on Broadway Boogie Woogie Lucky Enough in T-Time for Maralyn Vos savant to Julia Gonzalez for Example..(who need no introduction)

In this drawing, simply put, I am looking at the natural borders of a drawing where the edges remain as borders in relation to so many drawn up to reality thus four drawn and zero natural...how the object itself remains to touch on reality as a reflection through the Categorical Theory thus launched over this 4 pi preamble..

Reviewing my drawing grid as a golden section harmonic with a quanta of ratio .0156 (=64 perfect square) thus linking to simplified Planck in our near dimension as a decompression so to speak the ratio Mondrian uses in his Broadway Boogie Woogie for finest declensions or wavelets seems about

.0124 or the square of that proportion, (and half .0248 the sixth turn of the golden section if you proceed from .4472 the reciprocal of square root of five parent of the golden sections and there for continuing from previous drawing the comparison of monadic nomads 1), the Debauches Wavelet which finds the structural resonance on the diagonal of deeper non ordered flux on oscillation and 2) the Categorically Complementary space of the Polylogarithm in in MRA framework mode which finds multi resonance to ordered structure (like the Webb scope)... it occurs to me to next project that kind of stream of a suspension space to projection you see in the Finer

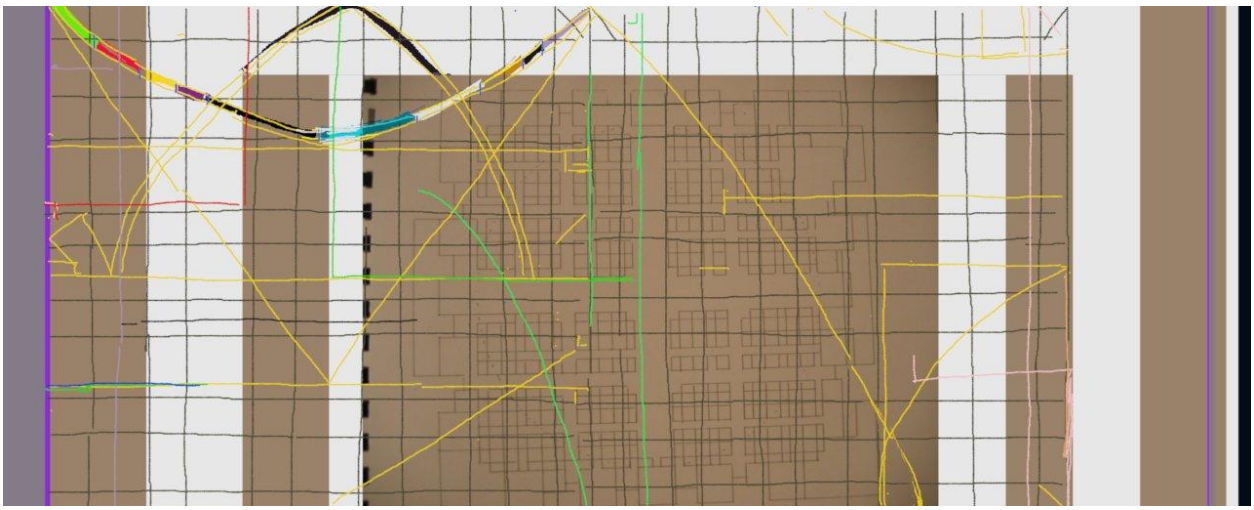
Mondrian dials as crossing an arc as time crystal like titrations resonant on the T-time of Category Theory where the Monad operates in that reversal of time from the entropy of physics causality to the decompression of observation upon observation reversing time...lemniscate in complex time through this quantum tunneling...fuzzy numbers to fuzz balls in the holographic projection...

Observing observer and observant

As Art intersects physics becomes :art - and- language thus may observe Escher migration of categories to a current clime ante cedent Einstein Brownian Motion a Dada introduction to hyper

real and surreal mathematics within to come the Duchamp n-dimensional chess now k- dimensional and again k-3 spaces ...

The drawing uses the category structures of edges touching on reality ie the borders are open to degrees of 3,2,1 sides or four closed (these may be structured in quadrants or whole) in relation to a kind of suspension bridge on the .0156 intercepting proportions like an architects dimensioning...



Thinking Outside the String

Think Outside the String :Stoppages Continuum ...Combinatoric Entropy and Recombinant Bordisms Via Environment Entanglement of Quantum Mechanical and Quantum Field : Suspension Bridge Bundles and Quivers to the Bow and the Lyre...

a symmetrical polytope drawn within a veronoi diagram and its Delauney dual would seem to be like a time crystal, its sides extending symmetrical diagonals in wave format... similarly quarks inside a gluon tube where that energy confinement of the gluon tube from field is perturbative seems to relate the orders of entanglement as simultaneously spanning quantum field and quantum mechanics... form space itself to be populated by quark like points indicates that nonperturbative field with points as high energy waves but condensed as in a ricci mode... the low level waves and high density compressions which are entropy features ... in the slit screen experiment

are we seeing the two scales of waves, open and compressed in an entanglement of scales so to speak across field and mechanic quantum observable structure?... complicated by the relation of the Gluon fields vacuum to the electromagnetic to the quantum tunneling creating the observable familiar 4 dim apparatus....turning to the number line which seems to have inspired Couchys observation of relative ratios symmetrically indexed across those partition distances the degree of exponents as one reads in the various constants and the meaning of the state ie ten to the eleventh or ten to the fiftieth as having some progress one might compare to a polynomial in

relation to the numbers reference to a given constant whose measuring order is actually a kind of “quiver” categorically speaking ... Cauchy seems to read the distances as like Veronoi degrees of separation relative otherwise smooth polytopes... where degrees of order or randomess in set and set extension figure...and a rapid fire suite of dimensions on that naturalness from Euler to Einstein were cascaded. What ideas have been advanced to perterbative densities of constants exponentiations as their smooth progress in that summary does not have the polynomial like index so between the two categories a kind of Turing machine of dictionary and map have

somehow come to order... how has this been analyzed? The slit screen gives the dramatic introduction to the theatre where the difference between energies as wave fronts or compressions reading degrees of freedom in potentially ordered or random combinatoric internally range local to global via the ray composition which then is not a wave measured but created at the measure through reactive fronts in the forms of the entanglement expression to decoherence from superpositions which relate quantum mechanical field to quantum field as in the process describe also then a combinatoric upon those co-bordisms and their suspension

modes monadic then to their quivers as in the proverbial bow and lyre…

Considering string theory and the relation between fermion and bosonic modes via a view on normalization through vibrative content one suspects that just as thinking outside the box is a prompt so also the very word string coalesces to view an expectation perhaps then meted out to the proposed duals which, harking back to ‘Duchamp’s dropped strings (stoppages -pun on passages as French for landscape thus his own name) as measures by that interference on expectation borrow for our purposes upon that founding also a suspicion that perhaps “string” is the

new box and how then to perhaps take another view towards the reimagination at hand? Taken more abstractly and Categorically the string sorts degrees of freedom, random, ordered, partially ordered relative spontaneous and explicitly symmetry breakings and phase orders through Cauchy ratios encountering parton graphing for example..to achieve its categorical potentials the string must be elevated to an exotic dimension to begin with and this of course the easiest... what follows? What is exotic squared? (exotic meaning a surface in time which is spatially entangled over orders of freedom) and exponentials which spontaneously rearrange? There is a

language component to this as the Categorical approach is the emergent elasticity of the language of understanding… roots in Sanskrit drawing verbs as the artificial language of clarity informing European and others. And As AI progresses it will create languages humans won't understand unless AI teaches , via our question forming… so the process becomes quite critical to engage…

String Theory is the most recent "Sanskrit" , a generalized way of thinking about thinking dynamically in quantum context mode of flux…

The drawing approaches these questions through an interest in how

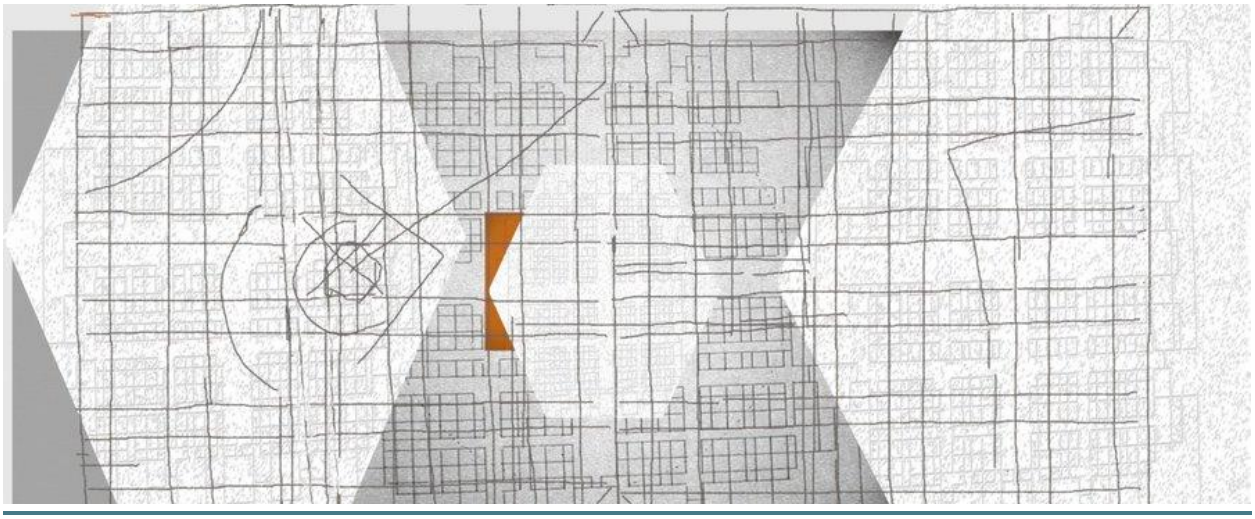
edges of the drawing frame, crop, or touch the area as it borders on “reality” literally... also the internal construct of a golden section grid with a quanta same as Planck thus linking in ratio the quantum mechanical to quanta via abstraction in Categorical representation, also by sorting bundles or vectors as proportions splintered at corners as diffractions which approach lensing modes, a relation of veronoi like elasticity in relation to faithful representation allowing a toy model of time crystal effect, the drawing then recognizes constraints towards their ambiguity as encapsulating in the emergent language the idea of expression as between compression and

decompression of entropies as the ongoing language potential of the Categorically informed emergent thinking... in this case then the identification of duals representing bosonic and fermion modes can be given a more fluid sense of contrasts not arrived at in such direct juxtaposition but rather rooted in finer graining which can be allowed to surface rather than perturb via a consideration of the Categorical relation of such suspension modes...compression of entropy and decompression fluidity informed harmonically but with more than exotic surfaces..

in a lecture Gell Mann describes a slip of the tongue where he accidentally used “one” to describe fermion interaction and essentially realized yes the confinement of the quark could be described this way.. so building on the “I” like mode of the Higgs integrating vacua levels to fields and space itself the gluon fields whole to their ensemble… the Wilsonian loops as they focus on the Del like parameters of Cosmological constant review infinite degrees tamed to normalism via scalings of coarseness and an index… and so per finite focus surreal mathematics to the Categorical whereas the conformal field approach finds vacua levels resonant to spontaneous symmetry breaking and so

Hyper real mathematically as opposed to the more explicitly Surreal... Categorically proposing thereby that fermionic and bosonic and surreal and hyper real can be viewed entangled is an oddity to consider perhaps if the expansion of space as not -an explosion is viewed as a surface which collects information like the familiar holographic mode where that information is in fact all events explicit and spontaneous which bootstrapped in a way by their occurrence, occurrence we can be familiar with 4d, and less so in the higher dimensions there requiring a kind of squaring of Category theory yet but nevertheless just as any point on a circle is its center and any point a

compression of energy then over the expansion any energy of the boot strap would be in the expansion loop, essentially entangled to every point as a highest dimensional recursive gesture and so the surface expanding faster like the earths more quickly spinning poles seen in a more abstract context? Asked whether language of which he is interested influences thinking he trails off saying I don't know several times... end of lecture... thus he seems caught in a similar fascination that the slip of the tongue is language covering itself to get to the point in its own phase evolution as to how the point in language is operating to transform itself

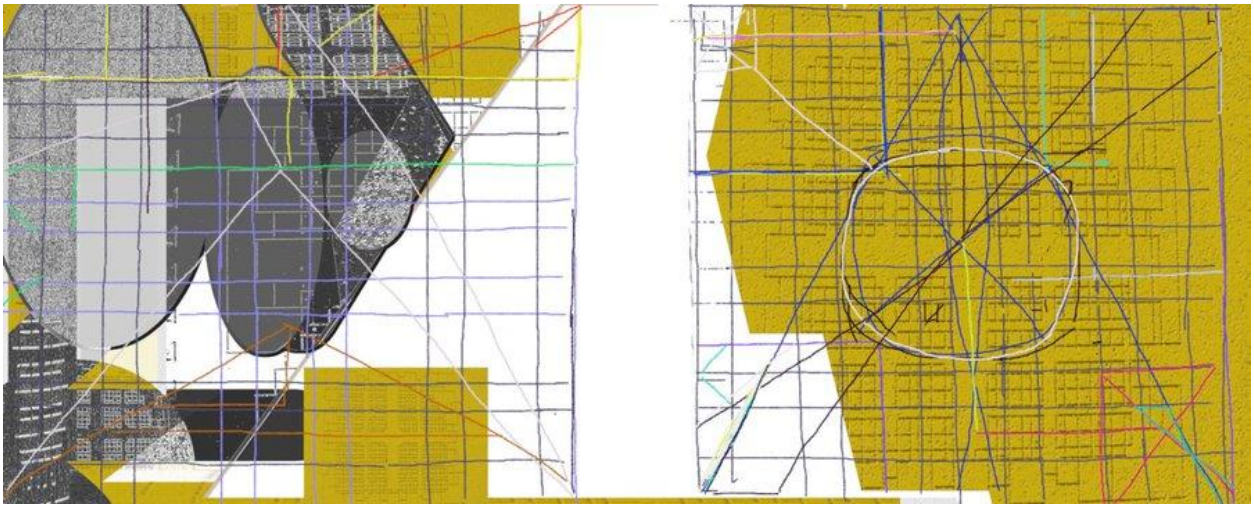


Article

Conversation

Edwin VanGorder

@EVangorder15570



(Point, Gravity) Jet Front Categories and Genesis Hom Set

(Point, Gravity) Nomadic Monad Hom Set: Categorical K-cells&

Off Shell Rabi Twisted Saddlebacks Tuned to Pi/Golden Section Jet Bundle Source

In the drawing an interest in jet-like or bundle accents diverging rays from corners as independent function meets a tidal function arcing the corner as milestones on a conical view or shell towards which the field itself at remaining angles proposes the normalization... with a tunability to an adjacency on diagonal, Fano plane as a motivator, mathematically the relation

of the reciprocal of pi divided by reciprocal of C as 1.056 or ten times the gap between the reciprocal of the square root of five twice in a square field then relates .1056 as ten tmes .0156 where .0156 is the equivalent of the reduced Planck and also divides the golden section grid of square as a quanta there of .01 and .10 .0056 relates to the perfect 8 square matrix as 64 and generating as reciprocal .0156 where .64 is 1.56 and .56 1.7854 with .7854 times four pi and .056 times four .112 relating to magnetic vacuum permittivity while .0056 times 8 is approx. reciprocal of square root of five... there for finding toward .01 and .10 and .0056 that symmetrical matrix...

In relation to this I have used a dynamic field of golden section derivatives in the following modes...

.7854 as we have seen previously generated has complement .2146 is reciprocal of Feigenbaum, Feigenbaum to tenth as .466 is to third power .101 as reciprocal of pi squared then times 7 the square root of seven or times six .606 which is 1.5393 or unity plus the reciprocal of three times the golden section module 1.854... and .606 can be composed from the square root of the reciprocal of the square root of three... 1.854 as three times .618 can be rephrased as .618 +.718+.518 ... and .518 as in reciprocal 1.927 if double 2.854 or

unity plus 3 times .618 and in reciprocal complement of .65 or unity plus three times the golden section and .518 in reciprocal as 1.927 is .65, plus .64 which is unity plus .56 which we have seen is in reciprocal 1.7854 as mentioned towards the fourfold on .7854=Pi and also +.6336 or in reciprocal unity plus the square root of three....we are familiar with .718 as in Euler]s 2.718281828 where 2.718 is mirror of .8172 at decimal adjustment and .8172 is 1.2236 doubled 2.4472 or twice unity plus reciprocal of square root of five and in reciprocal .4086 square root of six whereas .1828 is also the complement of .8172 and times 8 1.46 or ten times .146 the fourth turn of the golden section

spiral...2.718 in reciprocal as .3679 is times 3 then 1.1 the magic angle of graphine twisted lattices and added .518 then 1.618... the number .7793 is of interest as it equal unity plus .292 or twice .146 and subdivides into .6336 plus .6584 where the former in reciprocal is unity plus square root of three and latter unity plus .518... adding .3679 or Euler's per 2.718 with 2.708 or unity plus square root of two from their reciprocal forms gives .7321 which to neg 3 is .853 in reciprocal 1.1708 where .1708 times ten is unity plus the square root of 2.... And we see 1.854 as three times the golden section module .618... adding .7769 and .7321 = 1.506 times three is 4.518 in reciprocal .2213 and to neg 3 is

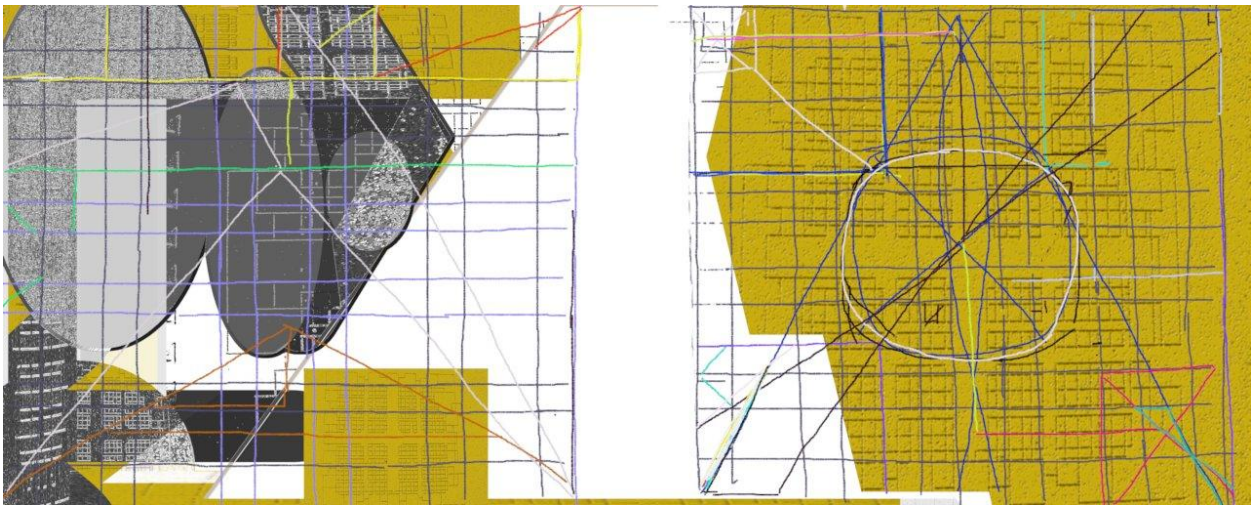
.6854 or 1.46 as ten times .146 the fourth turn of the golden section spiral ... provide a short list of the generative capacities of the drawings enlisted field...

The functional interest in relating the speed of light to pi creates intersecting sets between the finite and infinite which like Brownian Integration or Verisora algebras take the migration of categories attendant gravity to its categorical sub-tendings on the premise of the drawing which has featured bundle like jets which as ratios splintered on compositional corner are independent functions and rays who carry their refraction to a convergence

from diagonal adjacency relative orthogonal proportions in a migration from DeMorgan valences which activate the sense of the whole field as normalization quotient to edge constructions as they touch on visualization and cobordism to frame-world reality...somewhat like a pseudo laser interferon or gravity wave detector play with the idea of acoustic -optico - fusion wherein the loss of energy in the gravity wave is termed toward gravitational friction where this is a pseudo category as light does not experience friction thus this is a proper class or categorical development of the similarity of the cornu spiral (described by Duchamps roto-reliefs) Similarly the

idea of a point has a categorical development as it identifies the compression of energy to a limit as in the wave fronts of the slit wave experiment, but as a verbal entity it places the infinite spectrum within the reference of 4dim reality and hints then at the bridge between loop quantum and its surreal mathematical finite representation relative string theory as the dual found to Ad/S strong weak connection in the Langlands like morphing or fusion between physics symmetries and mathematical chirality...the Cornu spiral does at its base construct resemble the gravity wave but I intercept this with a gap space that represents the dual use it has

as a damping mechanism outside of its optical order over the acoustic debriefing to fusion.



Pyramid Bases Pyros of Stochastic Overtones Through Pascal’s…

Pyramid Bases Pyros of Stochastic Overtones Through Pascal’s… Entanglement function face to face as opposed to medium travel may in a string neutrino context of spin information transpose in those flavors be that deflection

thus time travel where “the conditions of experience as simultaneously the conditions of the objects of experience has introduce variations on the category of points, of gravity, and here, of information…
Considering Immediacy or near immediacy of entanglement as super luminary not pertaining to communication via the absence of a medium ie place to place identity as face to face but edges and nodes of space time extension as medium not applicable… thus Euler’s formula considered to loop quantum analysis then seems to present faces minus nodes and vertices as 2 showing this the unique prime number as the non spatial projection of faces while the other number then evolve relative to two duality and create their space time of proportions in Cayley fashion thus correlation establishes entanglement

while communication is in the diversions of the media….. if one considers fusion theory acoustic o-optico then the long migration of sound waves to the surface of the sun through essentially Brownian motions contrast with the more visually available zip of neutrinos which quickly penetrate all barriers… thus is it possible that in the string dimension the neutrino, which by having as field a pseudo categorical relation via electron, muon, and tau aspects may in the case of those relations to bosonic and fermionic modes

as the string necessary mathematics pe r super symmetry version might closer resemble the particle field type sought and thus elusive… that is could there be a kind of string dimension neutrinos capable of passing quickly through all

string dimensions and throats.. and with a history of spins which like the relation we can identify as (i) like to Higgs transposal of vacuum energy to mass via field contact could have then not just three by many spins to its vocabulary and these if decoded to a history would give a record which possibly enters the realm of sending messages from past to future or vice versa?
Warped Brane Worlds and LED large extra dimension seem likewise to propose these ideas….

On a more mundane level one can agree ambivalence one has had over or rather within personal history may later show one side of the coin which now seems ones actual correct opinion and yet in the future one may revise likewise toward

that recursive phenomenae and this is not at all the criticized idea no opinion is possible…just as the mathematical undecidability and the physics uncertainty axiom do not forbid structural analysis but instead highlight the art of questioning or rather structuring questions… similarly then, if finer structures with submerged effects emerge later to confound the bootstrapping expectation due mathematically to tunneling modes explicit to physics one might look upon Categorical status within Foam spins type history such as we have considered and ask from the points of view offered by compressed materials (graphine twisted lattices) physics that the damping of modes can be revisited towards the four fold evolution of the number towards modifying likewise the expectation

forward history as though handling a gain loss scenario of the wave fronts of the slit screen scenario towards the second version of the experiment where a delayed reaction gives this reversal in time via wave in longer ray versus compressed wave front particle like mode (of which again the Categorical mode finds in the series T-time or an entropy of decompression showing time in the Categories not the single arrow of physics entropies…then one seems to be seeing a string theory lens on the modes of space itself linked to those quantum energy fields engaged to 4d physics but also operating at the higher dimensions within those gluon field charges in space itself which engage to string dimensions… so just as the proton draws extra mass from the quasi particle connection to quark sea foam of the gluon fields one is asking that

as a kind of Josephson box in that context a mode upon vortex and abelian anion structures can bridge deeper towards those finer dimensions through a kind of Casimir effect through the vibrative throats of the string dimension through for example the modification of the expectation of string theory super-symmetry matching of fermion to boson mathematics to
instead the string neutrino or a variation on the idea… the idea that for DNA structures viruses may evolutionarily become part of the mechanism as a prompt towards replication similarly shows the relation between a natural and artificial language… such as exists in our own language via the connection to Sanskrit which as an artificial language models the European and many others… then the specific borrowing of the word

“quark” from Finnegan's Wake by Gell-Mann where Finnegan's Wake itself, a language created within the book through hyper awareness of the possibility of punning across 8 languages simultaneously helped prompt Gell-Mann’s view… similarly, AI must have analyzed the 300 or so drawing verbs of Sanskrit to understand the resonance value of languages and may in future or already have created its own language structures for which again we need to be able to intercept by dialectical approaches… in the novel approaches to mathematics and physics to begin with…where the novel to end all novels is explicitly the very beginning…

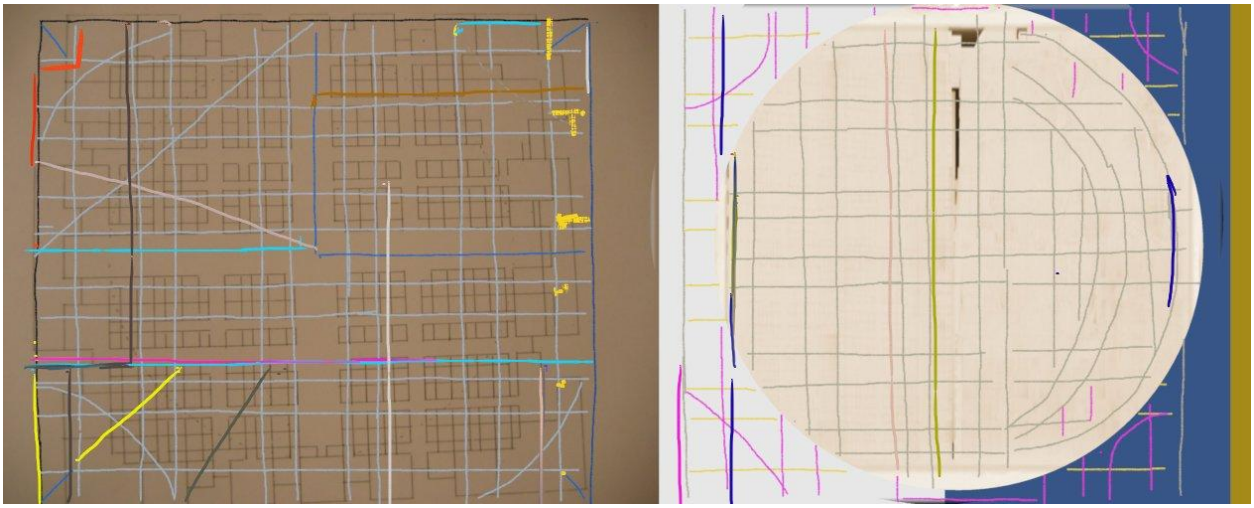


Image
 This Drawing Over Letters Through Some Plaster Ghosts of the Mathematics: Stochastic Octaves of Warped Harmonic Oscillation Through Riemann -Ito

Tunneling… Drawings Program and Schedule…
From some beginnings' gravitas: Gravities of the Drawing Body: Rough and Smooth of Michelangelo, Rodin- Collaborated Graham and Noguchi, consider the partiality of Brancusi and his reproductive ghosts or plaster models of sold works Categorically conceptual to Siegel and exclusionary photography also of Brancusi… by the Categorical Genesis of Gravity, Point, Entropy ,Time, Dimension and the conditions of experience in language (we are now) linking the social contract relation of Conceptual Art to the Physics Standard Model , Weak and Strong, Particle and Wave this Drawing over those Letters devolves of a mathematical bent to come in the following explicit tones and overtones of the mathematics that:

One may similarly model a contrast between Ito roughness and Riemann smoothness…. The Ito Stochastic considers the warrant or mathematical fair game of events whose randomness is measured against emergent front position (like a wave front in quantum)… think then of the diagonal which defines a rectangular proportion as the symbol in use minus the confines of borders… then each degree as continuously altering is Ito- like, make it more specific by stacking vertically a wavering motion which can go backwards and forwards then, a gain and loss, and in time as well…speaking of which the very compact of considering the current motion from divergent sources and emergent considerations of kind distinguishes an abstract T-time of the Categorical(to invite that Mad Hatter)… The very complicated Ito mathematical description has a much simpler geometric

one may follow and allude to: The DeMorgan valence takes the half ratio of a complement where a complement is the area left over from any rectangle which then completes the square… if you consider the Pythagorean theorem which measures a square on the end of a rectangle to that of the side, one can similarly describe via those two sizes a rectangle such as a book held in hand but then rotated, on position can be seen less a larger containing square and the rotated per the smaller square multiples of that… The DeMorgan Valence observes that if you take one half of the complement, in relation to quadrants of an entire square field which provides the figure and complement that half subtracted from each quadrant provides a kaleidoscope of the original figure ground mirrored in the quadrants as a fractal like four fold...

In relation to all this preliminary then the Ito structure observes the rotated rectangle as a "reciprocal" (as in a log function the figure ground rotations would image on successive scales thus if the successive scales changed the angle along the way, a kind of diffraction towards a different ratio this gain-loss would be away from Riemannian smoothness, and the Ito formula comapares the reciprocal ratio to its origin and relates to an overall half ratio…
In the drawing then I am considering this in relation to the Riemannian Zeta smoothness of complex space and the conditioning of the hypothesis to one half on the critical line… by turning to the Voronin theory: wherein it is found a relation of shifting values in conjunction with zeros which I would like to compare to origins overall in the Legendre Constant… which places the primes to constraint within the critical strip

as well by the Prime Numbers Theorem towards which we will find the Voronin theory links analytic theory to approximation theory via a consideration of the five fold dimensioning of the number (i) in cycles…
But first to consider the specifics of the prime number theorem from the Constant given as the Legendre constant of 1.0836… the reciprocal of this is .9288 and to the third power is .7854, this number times four is pi or 3.1416… its compliment .2146 is the reciprocal of the Feigenbaum constant…
Consider powers as ratios, they give the reciprocal, that is the same proportion on a different scale, set back successively like the log spiral…(in the case of (i) of course one has to donate a kind of flavor to the idea, (i) essentially rotates by going where it was not and stating this “where it is not “ replacing

our normal idea of diagonalization… an event of category thinking…)…
I am working from a golden section harmonic grid which has the connection to the Reimann hypothesis that it quant of .0156 reciprocal of perfect square 64 and consonant on macro scale then with that proportion also the simplified Planck is a Hermitian grid and relates to the square root of two as having either value .707 or .708 there fore the latter which is golden section via 3 times .236 where .236 is third turn of golden section means on rotation in complex plane the information of a Hermitian operator is transmitted as an irrational number thus real, and this fulfills a basic prerogative sought for theoretically regarding the Riemann Hypothesis e.g the Unknown Hermitian Operator…
The golden section is composed of the reciprocals of the square root of ten and

eleven, as also we see it relating to bifurcation in the value of the square root of two as become an operator over the complex plane along with the Unknown Hermitian… since 11 divided ten gives 1.1 the magic angle of Condensed material twisted lattices (graphine) the clue can be considered towards the status of spiral suffixes which similarly rang .0019 to .0091 and so considering this to the critical strip in relation to .707 and .708 towards .5 on the critical line the DeMorgan Ratio will always define to one half the complement strip…and the range .0019 to .0091 is that of the difference between .707 and .708… there fore the drawing constructs along those lines as also delving into the Ito roughness to discover towards “the conditions of experience as also the conditions of the Objects of experience” where this Kantian credo morphs to Categorical Theory… as

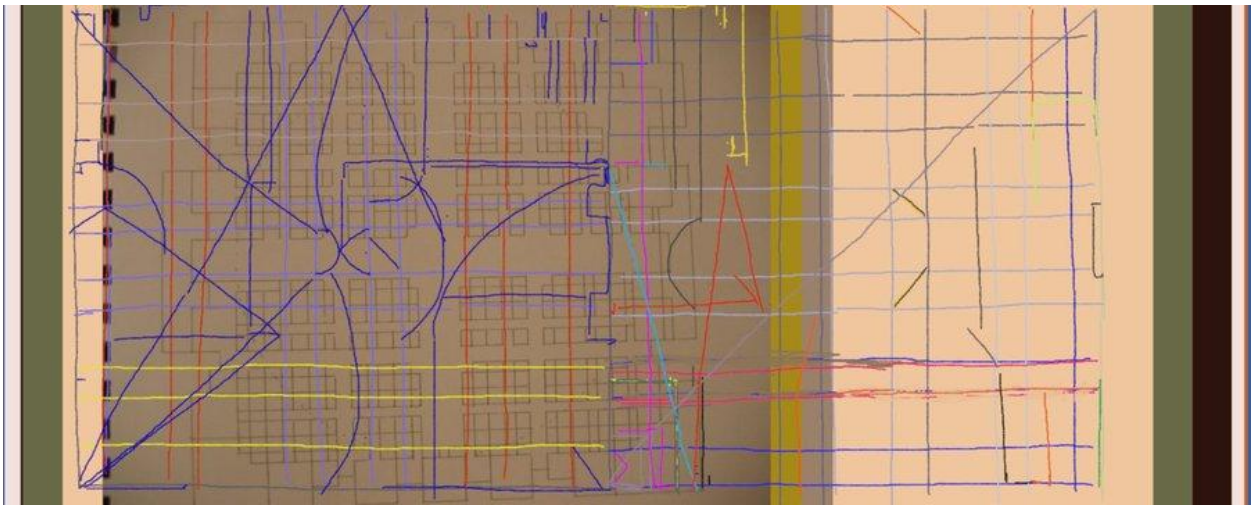
it’s own categorial imperative…in higher dimensions…
One wonders if gluon fields to their charge constants are self intersecting via the valences in a pre-space of relating to string vacua and so self intersecting by a duality we can trace in our concept of the Hamiltonian as spin and as system energy… thus Connes for example opt for a geometric quantum on the model of Hilbert spaces in the quantum conditions of experiences framed to the Planck and this immersive view is qualitatively aside from a spin foam or Ito algebra, one could say the Hamiltonian in the former instance is like the duality between integers and primes per the smooth Riemannian with integers bosonic and primes fermionic, comparing with the strong weak duality of AdSCFT… and in the Riemann Hypothesis the distribution of no-zeroes analogical to Higgs

mechanics parallels Connes focus on the Higgs mechanism and the Planck…the square root of two functions in the Riemannian then in a duality, as the basis vector of the system spin and then again distinguishes from the vantage of two as the first prime the orderings perceived within the primes to some degree…even the designation of the critical line as .5 must reflect on its reciprocal 2 and it's square root … in interests me structurally that the square root of two may be .707 or .708 where .708 is 3 times .236 or the fourth turn of golden section and we have seen in turn that this transmission from what we might call the right square root of two to the left then carries the golden section structure of .0156 and thus the irrational number becomes the "unknown Hermitian Operator" the following notes also go into these ideas..

We can sum over the dualities by observing first that also there pertains the oddity that string values are non perturbative relative quantum loop theory but perturbative relative classical mechanics, the nexus of the dualities stem from Hamiltonian spin vs total system energy as we see influencing the above example…then as well within the sphere of the Riemann hypothesis the duality between Dirichlet integers and Euler Expansion by which the square root of two as unique first prime function per the basis vectors defining toward the complex by virtue of its dual values also of .708 and .707 of which the first marks it as the right ward value and is 3 times .236 the fourth turn of the golden section spiral, and as the golden section Hermitian grid I compose to a square field carries .0156 as the reciprocal of the perfect square 64 and the scale also of the Planck it functions as a quanta also in

this macro dimension an in transfer of the irrational golden section which thereby is a real number performs the role of the Unknown Hermitian Operator which has been predicted to advance the understanding of the Riemann hypothesis parameter…of which the critical line .5 per reciprocal square root of two relate the location of non zeros in the subversive context of the primes vs the immersive context of the integers…We see the Dirichlet context then as bosonic and the Euler expansion fermionic … and relating strong and weak functions of the AdSCFT the duality between The String and Macro dimensions stemming from the original distinctions of the Hamiltonian over spin and total system energy arrive at the entangled string to macro dimension source of the kind of categorical survey which notices the string dimension perturbative to Quantum

mechanics but non perturbative to Loop quantum…



The Numbers of Perception

Notes- : the grounding is to advance acousto- optico fusion over meta surface lensing threshold …towards randomness of electromagnetic interferenc and pseudo randomness of Calabi Yau discrimination of noise to vacua levels…as a study of Category Theory evolution with String Theory from Brownian motivated String Graphs relating separable and inseparable functions…
§Random+- Pseudo Randomness Structured to Quantum Corrections
§Relative : : Electromagnetic Fusion Linking of Acousto -Optical Bridges per Hyper Surface Error and Rabi Wave Revival : Studied to Calabi Yau Tight Rope Walk over Vacua Nets and a Study over String Diagrams to String and Category Theory
Did Proust write the following or Schrodinger?

When two systems, of which we know the states by their respective repre-
sentatives, enter into temporary physical interaction due to known forces
between them, and when after a time of mutual influence the systems
separate again, then they can no longer be described in the same way as
before, viz. by endowing each of them with a representative of its own.
I would not call that one but rather the characteristic trait of quantum
mechanics, the one that enforces its entire departure from classical lines
of thought.
Schoedinger
This in tension then with Category Theory where representation is not over the combined elements of distribution in space but compressed in the act of reference in time.… Process G1 takes place after process

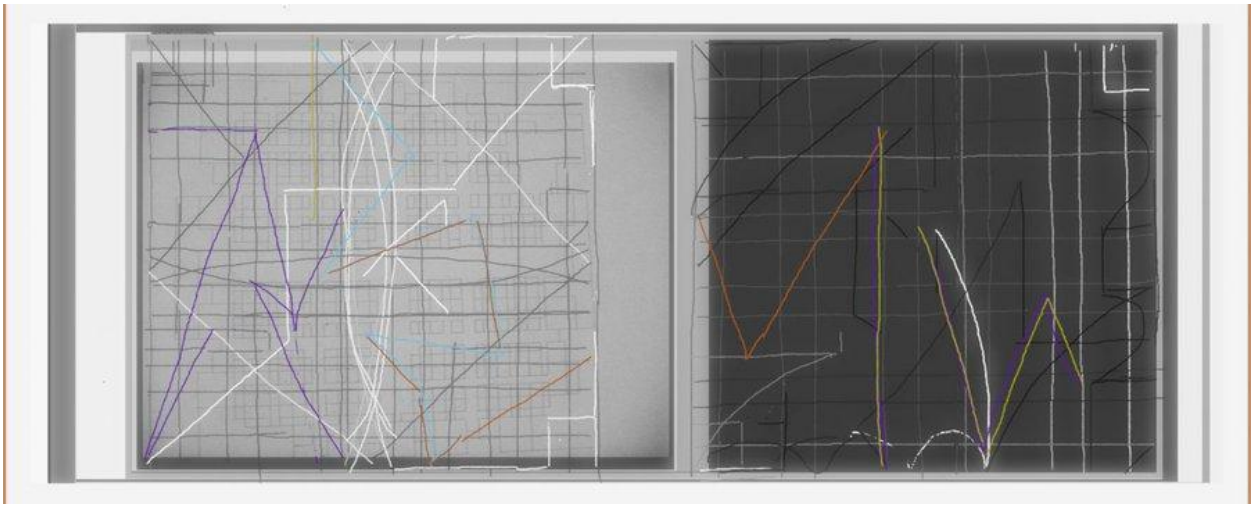
f1 and process G2 takes place after process f2 (we will turn to the numbers of perception as two and three follows..)- combined to a now irreducible, affine -open to a saddle back or diabolical point array instead as alternatives themselves in superposition to an immersive or submersive theatre. Co-signed by as it were be Higgs (i) like valuation of fields to vacua levels the Rabi cycle serves to show this extrapolation of phases from cycles to dimensions where the alternative matter form of radiation encounters magnetic excitation of which that excitation produces a field which over the relaxed wave asserts then its resurgence to a new level in the manner of Schroedinger and Proust…if we organize the arrival of this potential by turning to contemporary currents in fusion technologies of acousto-optical quantum corrections generating magnetic field resonance such as may then

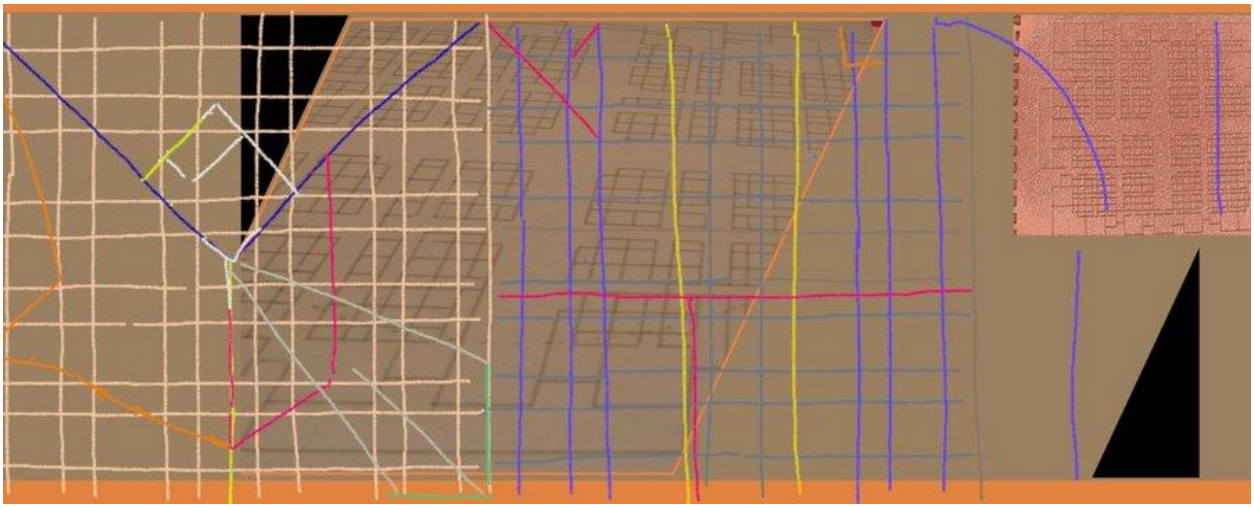
excite towards our project the randomness of genuine quantum induced array of stochastic arrival or pseudo version of damped electron hopping techniques.
The drawing generates a particular field in the numbers -1,2,3,1 as a group describing 2 and three as the numbers of perception arriving at a geometric corollary analogous to the idea of an EP as transitioning from diagonal Clifford comport breaking off into Jordan Boxes and in particular the diagonal as defining a proportion compares with timi or fish sign counter arcs suggesting the arc notation of magnetic fields as monadic staging of those examples encountering the differences of separable and inseparable sets (Eps Inseparable)… the first group of numbers then works with two other special groups which are harmonic golden section neighborhoods…… ------ -1,2,3,1 is a list describing that two as the unique first even

and also unique first prime is a primus relating to unity as the problematic “one” ie unity as that stated one referenced, is qualitative, just as energy is not stuff but qualitative to that which possesses it and in this respect the Noether like symmetry between observer and observable conserves… by relating the necessary symmetry that two is three minus one and two minus three is negative one there is the relation of charge space to symmetry space essentially comparing then space like and time like evaluation…
In terms of a stochastic resonance then reprojected into the emergent domains of the Rabi hyper transpose there is a reference as well to Calubi Yao structure of vacuum tight rope walking as falls into dimensional nets which correspond to the quantum arrivals staging the electromagnetic structural noise… in relation one might say, turning to

art of the stochastic zigzag as like the violin input of Ingres drawing mark as exaggerated then by De Kooning where cubist references stage cubism's identity as a visual Sanskrit upon that artificial languages structure on some 300 drawing verbs… and continuing then in our case to Deconstruction over Category Theory towards quantum String Graphing directly evolving string theory…of which evolution has an interesting clarity as it is easier to understand the boxes and strings of graphing referring to modes and moduli as being the case of Genus to species in a way… and then continuing deconstruction we may review that over separable and inseparable sets their relation to submersion and immersion constraining to distinctions between surreal and hyper real mathematics ie categorical over differences of finite and infinite amplitude the orders originally of thought experiment

theaters toward themes of inclusion, exclusion, irreducibility and naturalness in the examples of the slit screen, Russel's Paradox, Turing Machine and Bells Theorem(indicating idea of "up to an "isomorphism")… and Categorical array to follow spanning relations to Hamilton's spin and energy parameters over an immense group of Categorical Monads…

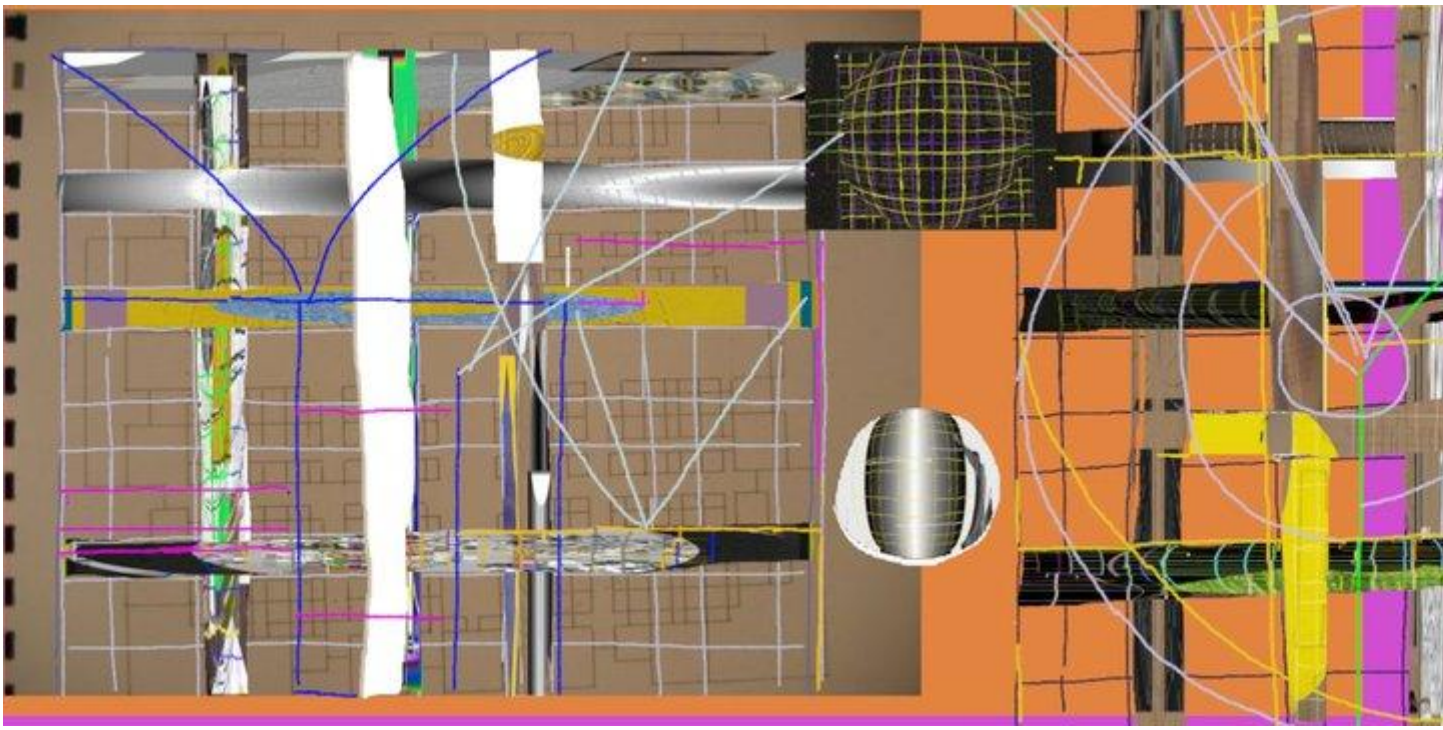




Vertex Color Splay as Flux Field Fluide

The vibrancy of modes by which dark matter on large scales may have electromagnetic field or Casimir box like interactions may characterize DNA or Josephson Junction like structure amplify towards Proton structure or optico -acoustic models form to black body apparatus are motivations to this drawings construct of offset color ratios meeting at a vertex… on a golden section grid conforming to .0156 plank ratio on the macro such that offsets

between form and grid become entangled and relate to field as whole. In relation to the cornice then the grid becomes towards the splay an off set or pre- measure on the velocity measure which is the vertex.



SET-to of T-Time in Nomadic Monads of Constructor Theory Quotient Space and Categorical Hom Sets.

The warrant across the zeroth homologies of vacua spaces as the domain simplified to what Nature gives us to understand per vacua shifts as

energy construct then finds in the evolution from graph theory of quantum to string theory the moods and modes moduli of a Monadic research where mathematics is recognized as a medium…the very medium whose own quotient spaces for example would be “fluid” and “dust” where the idea of thinking in objects is recognizing such as symbolic thinking all the same…

The Dirac Delta gives a recursive structure which on top of linking to Category theory on the strength of convolution and links to Hom and Yoneda mode could be a map of fractal structures one may observe at outset and move on to considering that if it is the case that pseudo particles in a sense are responsive via a domain encountered in spacetime geometry is part of this geometry , relative the Dirac Delta comparable in some graphic set notation to a complementary space of a given Dirac arrow of which as the one grows thinner and the other wider and selected at a point combine to a unitary square field… of these the complements

might actually be considered a kind of apriori structure shaping the observable per focus…but if there were a misalignment of the received complement the effect on the zero notation would be like that of the Higgs mechanism to some extent… that misalignment creating energy… misalignments through fuzzy number tunneling and other possibilities then give the chiral breaking… in general a constructor theory has a tidal dimension placing T-time over its own process in a sense space created in the one direction has a time of overtones in the convolution of categorical mapping of which the question is to discover in the mathematics the essential that data can produce but perceiving this next from the standpoint of the thought experiment as “real”… in the sense that the mathematics is medium to the Category Theory…. The Constructor space is a quotient space forcing these operatives to funnel their own energy over operational spaces from states of suspension and potential largely conflux on the Higgs Mechanism clue.

Hyper Toric Spectra of Points
EP
.
Saddle . . Diabolical
∞
Nomadic Nomads through KS to Categorical Theory: A Casimir-like flux through the Horizon Ultra violet to Infra-Red Quantum Classical to Quantum Gravity Entanglement…
Per singularities we might map on Ricci flow: saddleback, EP and Diabolical point as Ricci flow influences particle the reading of symmetry has in each of these cases very different consequences such that considering the cobordism of cartesian and GR space locally a Dirac arrow over potential readings in a wormhole suggests entanglements within entanglements and so at the point of wormhole transfer where this may be a topological pinching do you imagine vacua tensors so to speak creating dynamics to consider?
Where a cobordism between GR rubber-sheet geometry locally smooths globally towards

Cartesian geometry the transition in Conne's like quantum geometry towards spin gravity and non-commutable space leads t o the question of what is the effect on the spin of the particles themselves…mathematically what is the status in these terms or other relevant spatial parameterization to for example asymptotic relations meeting a singularity where, if a singularity is the sudden or gradual arrival of a function to a zero point how are these considered in the variety of a point given as diabolical, EP, Saddleback if we map them on a Ricci flux? If the Ricci wave is an atlas in this sense then to complete the Touring Machine we can use the Dirac Function Arrow over the smoothing of space and consider its deeper implications which are that this index actually show something like you see if you take the golden section parameters which structure canonically to an embedded unitary object which then we might consider as being a lot like a bit… that is a number like 5,618 gives five boxes in which to structure unity as one pleases

plus the remainder,,, but the half ratio show a compression which means it can be rescaled to combinations… similarly and product arrived at and placed in reciprocal is if multiplied by various integers will at some show a more evident harmonic grouping thus the smearing activity of the smoothing invites these dynamics…interestingly then the act of multiplication introducing a tuple is in that tuple the compression and like slicing the box top to bottom to show that proportionally compressed space whereas slicing the box laterally shows a division function of decompression and also extension, the image end to end doubles the original proportions thus the meaning of the inverse square root and the n^64 as perfect square in reciprocal .0156 value of reduced Planck…then considering the various manifolds… the two forms of hom sets and non commutable geometry, spectral triples, and three form of the Calabi Yau which may receive information from the EP transition from diagonalization to Jordan boxes can we consider

the Calbi Yao as receptive to the three kinds of points and their relation to singularities we have mapped to Ricci flux and compare this with the Black holes opposite white hole and what condition might affect the space of particles and of particles themselves as they encounter at throats of the bridge the status to some degree of string throats … naively one would expect white holes to be common… what is the necessary parameter for their observation and why are these apparently not found or indexed?

Hyperbolic Toral Automorphisms Today

The term hyperbolic toric automorphisms suggest that the Einstein point (rounded) suggests a spectral relation to the point itself where the Dirac model of a cusp form gives a kind of proper form and a distant horizon or rather infinite serves to embed the idea of the mathematical point while trap levels such as stage vacua have a morphology in saddle back and EP… but just as the torus center evolves a Klein bottle there is this tornado which has its touchdowns…and winding strings may

communicate virtual trefoil or manifold bottles…

The drawing works towards relating the harmonic expansion of sets toward the complementary spaces they project in relation to the fact the square root of two times four is the square root of 8 which sets the diagonal of the whole field into the inverse square law proportion along which interrupting the integer by recognizing its boxes of unity can relate to subsets whose tidality can tunnel via fuzzy numbers there is a beginning of an approach to HS Klebanov Strassler theory in which operator algebras model string theory into higher dimension projections which are adjusted by differences between embedded levels as they can be flattened out in the entanglement mode of the cobordislm where the four dimensional rubber sheet effect flattens past locality towards a Cartesian mode…and the very complex discriminations made towards this by Spielberg Algebras but the simplification I give here is the essential meaning over which I engage the

golden section as carrying much more variety than the immediate measures of data by introducing more terms of abstracting to a Monadic equivelance and projection particularly through examining in a continuing interest the spectral dimensions one may build into the idea of the “point”…